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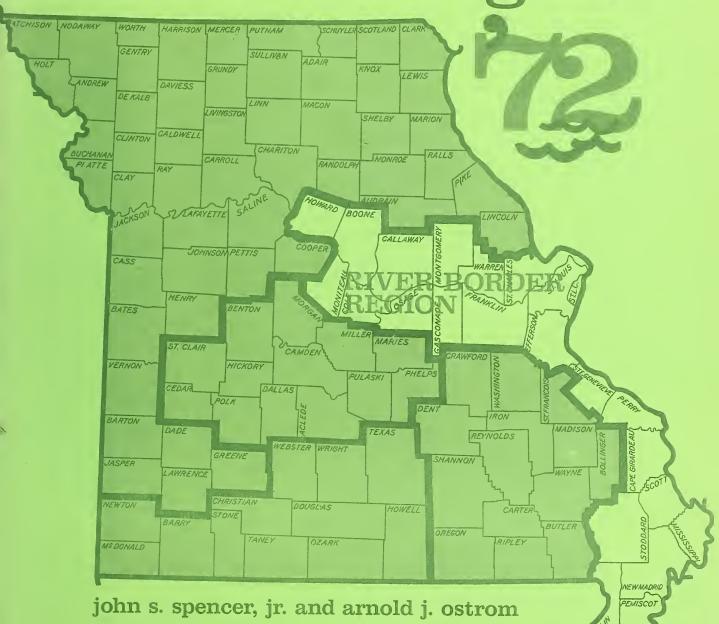


USDA FOREST SERVICE RESOURCE BULLETIN NC- 25 1975

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TIMBER RESOURCE OF MISSOURI'S

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NORTH CENTRAL FOREST EXPERIMENT STATION FOREST SERVICE • U.S. DEPARTMENT OF AGRICULTURE THE AUTHORS: John S. Spencer, Jr., is a Resource Analyst and Arnold J. Ostrom is a Mensurationist for the Station. Both authors are located at the Station's Headquarters Laboratory in St. Paul, Minnesota.

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(Maintained in cooperation with the University of Minnesota)

GLOSSARY OF TERMS

Used in Resource Bulletins Reporting

MISSOURI'S 1972 TIMBER RESOURCE

NORTH CENTRAL FOREST EXPERIMENT STATION FOREST SERVICE
UNITED STATES DEPARTMENT OF AGRICULTURE



Land-Use Classes

Gross area. -- The entire area of land and water as determined by the Bureau of Census, 1960.

Land area.—The area of dry land and land temporarily or partially covered by water such as marshes, swamps, flood plains, streams, sloughs, and estuaries. Canals less than 1/8-mile wide, and lakes, reservoirs, and ponds smaller than 40 acres are included as land area. These figures are from the Bureau of Census, 1960.

Forest land.--Land at least 16.7 percent stocked by forest trees of any size, or formerly having such tree cover, and not currently developed for nonforest use. Includes afforested areas. The minimum forest area classified was 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width of at least 120 feet to qualify as forest land. Unimproved roads and trails, streams, and clearings in forest areas were classed as forest if less than 120 feet in width.

Commercial forest land. --Forest land that is producing or is capable of producing crops of industrial wood and that is not withdrawn from timber utilization by statute or administrative regulation. This includes areas suitable for management to grow crops of industrial wood generally of a site quality capable of producing in excess of 20 cubic feet per acre of annual growth. This includes both inaccessible and inoperable areas.

Noncommercial forest land.--(a) Unproductive--forest land incapable of
yielding crops of industrial wood because
of adverse site conditions, (b) Productivereserved--forest land withdrawn from commercial timber use through statute or
administrative regulation, or exclusively
used for Christmas tree production.

Nonforest land.--Land that has never supported forests, and land formerly forested where forest use is precluded by development for nonforest uses, such as cropland, improved pasture, residential areas, and city parks. Also includes improved roads and adjoining rights-ofway, powerline clearings, and certain areas of water classified by the Bureau

of Census as land. Unimproved roads, streams, canals, and nonforest strips in forest areas must be more than 120 feet wide, and clearings in forest areas must be more than 1 acre in size, to qualify as nonforest land.

Ownership Classes

National forest. -- Federal lands that have been designated by executive order or statute as national forests or purchase units, and other lands under the administration of the USDA Forest Service.

Other Federal.--Federal lands other than national forest.

State, county, and municipal.--Lands owned by States, counties, or local public agencies, or lands leased by them for more than 50 years.

Forest industry.--Lands owned by companies or individuals operating primary wood-using plants.

Farmer-owned.--Lands owned by operators of farms. A farm must include 10 or more acres from which the sale of agricultural products totals \$50 or more annually, or if less than 10 acres, the yield must be at least \$250 annually.

Miscellaneous private. -- Privately owned lands other than forest industry- or farmer-owned.

Tree Classes

All live trees.--Growing-stock, rough and rotten trees 1 inch d.b.h. and larger.

Growing-stock trees.--All live trees of commercial species except rough and rotten trees.

Desirable trees.--Growing-stock trees having no serious defects in quality limiting present or prospective use, and of relatively high vigor and containing no pathogens that may result in death or serious deterioration before rotation age. These are trees that would be favored by forest managers in silvicultural operations.

Acceptable trees. -- Trees meeting the standards for growing stock but not qualifying as desirable trees.

Sawtimber trees.--Growing-stock trees of commercial species containing at least a 12-foot saw log or two noncontiguous saw logs, each 8 feet or longer. At least 33 percent of the gross volume of the tree must be sound wood. Softwoods must be at least 9.0 inches d.b.h. and hardwoods at least 11.0 inches.

Poletimber trees.--Growing-stock trees of commercial species at least 5.0 inches d.p.h. but smaller than sawtimber size, and of good form and vigor.

Saplings.--Live trees of commercial species 1.0 to 5.0 inches d.b.n. and of good form and vigor.

Seedlings.--Live trees of commercial species less than 1.0 inch d.b.h. that are expected to survive according to regional standards. (Examples of seedlings not expected to survive are those that are diseased or heavily damaged by logging, browsing, or fire). Only softwood seedlings over 6 inches and hardwood seedlings over 1 foot in height are counted.

Rotten trees.--Live trees (any size) of commercial species that do not contain a merchantable 12-foot saw log or two noncontiguous 8-foot or longer saw logs, now or prospectively, because of rot (that is, when more than 50 percent of the cull volume of the tree is rotten).

Rough trees.—Live trees that do not contain at least one merchantable 12-foot saw log or two noncontiguous 8-foot or longer saw logs, now or prospectively, because of roughness and poor form, as well as all live noncommercial species.

Short-log (rough trees).--Sawtimbersized trees of commercial species that contain at least one merchantable 8- to 11-foot saw log but not a 12-foot saw log.

Stocking

The degree of utilization of land by trees as measured in terms of basal area and/or the number of trees in a stand compared to the basal area and/or number

of trees required to utilize fully the growth potential of the land.

A stocking percent of 100 indicates full utilization of the site and is equivalent to 80 square feet of basal area per acre in trees 5 inches d.b.h. and larger. In a stand of trees less than 5 inches d.b.h., a stocking percent of 100 would indicate that the present number of trees is sufficient to produce 80 square feet of basal area per acre when the trees do reach 5 inches d.b.h.

Stocking of all live trees, growingstock trees, and desirable trees are recorded separately and stands are grouped into the following stocking classes.

Stocking Classes

Overstocked stands.--Stands in which stocking of trees is 133 percent or more.

Fully stocked stands.--Stands in which stocking of trees is from 100 to 133 percent.

Medium-stocked stands.--Stands in which stocking of trees is from 60 to 100 percent.

Poorly stocked stands.--Stands in which stocking of trees is from 16.7 to 60 percent.

Nonstocked areas.--Commercial forest land on which stocking of trees is less than 16.7 percent.

Area-Condition Classes

Class 10.--Areas fully stocked with desirable trees but not overstocked.

Class 20.--Areas fully stocked with desirable trees, but overstocked with all live trees.

Class 30.--Areas medium to fully stocked with desirable trees, and with less than 30 percent of the area controlled by other trees and/or inhibiting vegetation or surface conditions that will prevent occupancy by desirable trees.

Class 40.--Areas medium to fully stocked with desirable trees and with 30 percent or more of the area controlled by other trees and/or conditions that ordinarily prevent occupancy by desirable trees.

Class 50.--Areas poorly stocked
with desirable trees, but fully stocked
with growing-stock trees.

Class 60.--Areas poorly stocked with desirable trees, but with medium to full stocking of growing-stock trees.

Class 70.--Areas poorly stocked with desirable trees, and poorly stocked with growing-stock trees.

Stand-Size Classes

Stand.--A growth of trees on a minimum of 1 acre of forest land that is stocked by forest trees of any size.

Sawtimber stands.—Stands at least 16.7 percent stocked with growing-stock trees, with half or more of this stocking in sawtimber or poletimber trees and with sawtimber stocking at least equal to poletimber stocking.

Poletimber stands.--Stands at least 16.7 percent stocked with growing-stock trees, and with half or more of this stocking in sawtimber and/or poletimber trees and with poletimber stocking exceeding that of sawtimber.

Sapling-seedling stands.--Stands at least 16.7 percent stocked with growing-stock trees and with saplings and/or seedlings comprising more than half of this stocking.

Nonstocked areas.--Commercial forest land on which stocking of growing-stock trees is less than 16.7 percent.

Other Classifications

Site index.--An expression of forest site quality based on the height of a free-growing dominant or codominant tree of a representative species in the forest type at age 50.

Site classes.—A classification of forest land in terms of inherent capacity to grow crops of industrial wood expressed in cubic-foot growth per acre per year.

Stand-age.--Age of the main stand.
Main stand refers to trees of the dominant
forest type and stand-size class.

Basal area.—The area in square feet of the cross section at breast height of a single tree. When the basal area of all the trees in a stand are summed, the result is usually expressed as square feet of basal area per acre.

Forest Types

A classification of forest land based upon the species forming a plurality of live-tree stocking. Major forest types in Missouri are:

Shortleaf pine. -- Forests in which shortleaf pine comprises a plurality of the stocking. (Common associates include oak, hickory, and gum.)

Eastern redcedar.--Forests in which eastern redcedar comprises a plurality of the stocking. (Common associates include oak and hickory.)

Eastern redcedar-hardwood.--Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking but in which eastern redcedar comprises 25 to 50 percent of the stocking. (Common associates include gum, hickory, and yellow-poplar.)

Shortleaf pine-oak.--Forests in which upland oaks comprise a plurality of the stocking, but in which shortleaf pine comprises 25 to 50 percent of the stocking.

Post-blackjack oak.--Forests in which post oak or blackjack oak, singly or in combination, comprises a plurality of the stocking except where shortleaf pine or redcedar comprises 25 to 50 percent.

Black-scarlet oak.--Forests in which upland oaks or hickory, singly or in combination, comprises a plurality of the stocking except where shortleaf pine or redcedar comprises 25 to 50 percent, or where white oak or post and blackjack oak

comprise a plurality. (Common associates
include yellow-poplar, elm, maple, and
black walnut.)

White oak. -- Forests in which white oak and other white oak species, singly or in combination, comprise a plurality of the stocking except where shortleaf pine or redcedar comprises 25 to 50 percent.

Oak-gwm-cypress.--Bottomland forests in which bottomland oaks such as pin, swamp white, and shingle oaks, along with tupelo, blackgum, sweetgum, and cypress, singly or in combination, comprise a plurality of the stocking. (Common associates include cottonwood, willow, ash, elm, hackberry, and maple.)

Elm-ash-cottonwood.--Forests in which elm, ash, or cottonwood, singly or in combination, comprises a plurality of the stocking. (Common associates include willow, sycamore, beech, and maple.)

Cottonwood.--Forests in which cottonwood comprises a plurality of the stocking.

Maple-beech.--Forests in which hard maple or beech, singly or in combination, comprises a plurality of the stocking. (Common associates include elm and basswood.)

Timber Volume

Volume of growing stock.—The volume of sound wood in the bole of growing-stock trees 5.0 inches d.b.h. and over, from a 1-foot stump to a minimum of 4.0-inch top diameter outside bark, or to the point where the central stem breaks into limbs. Growing-stock volumes are shown in cubic feet and cords. Conversion from one unit of measure to another may be accomplished by a factor of 79 cubic feet per solid wood cord.

Volume of sawtimber.--Net volume of the saw log portion of live sawtimber trees in board feet, International 1/4-inch rule, from stump to a minimum 7 inches top diameter outside bark for softwoods and 9 inches for hardwoods.

Upper stem portion. -- That part of the bole of sawtimber trees above the merchantable sawtimber top to a minimum top diameter

of 4.0 inches outside bark or to the point where the central stem breaks into limbs.

Growth and Mortality

Net annual growth of growing stock.— Net annual growth of growing stock is the change in volume of sound wood that occurred during 1971 in growing-stock trees that were 5.0 inches d.b.h. or larger at the beginning of the year,

plus

the volume of sound wood in growing-stock trees smaller than 5.0 inches d.b.h. at the beginning of the year that grew sufficiently during the year to be reclassified into the 5.0-inch-or-larger d.b.h. classes (ingrowth),

plus

the volume of sound wood in trees that had been classified either as rough or rotten trees at the beginning of the year but were reclassified during the year as growingstock trees,

plus

the annual change in volume of sound wood that occurred during the year on growingstock trees that died during the year,

plus

the annual change in volume of sound wood that occurred in growing-stock trees included among timber removals for the year (See glossary for timber removals from growing stock, p. 5),

plus

the annual change in volume of sound wood in trees that had been classified as growing stock at the beginning of the year out were reclassified during the year as rough or rotten trees. Only the volume change that occurred during the portion of the years the trees were classified as growing stock was included,

minus

the volume of sound wood in growing-stock trees that died from natural causes during the year, and

minus

the volume of sound wood in trees that had been classified as growing stock at the beginning of the year, but were reclassified during the year as rough or rotten trees.

Net annual growth of sawtimber.-Net annual growth of sawtimber is the
change in volume of sound wood that occurred
during 1971 in trees that were sawtimber
size at the beginning of the year,

plus

the volume of sound wood in growing-stock trees smaller than sawtimber size at the beginning of the year that grew sufficiently during the year to be reclassified as sawtimber trees (ingrowth),

plus

the volume of sound wood in trees that had been classified either as rough or rotten trees at the beginning of the year, but were reclassified during the year as sawtimber trees,

plus

the annual change in volume of sound wood that occurred during the year on sawtimber trees that died during the year,

plus

the annual change in volume of sound wood that occurred in sawtimber trees included among timber removals for the year (see glossary for timber removals from sawtimber, p. 5),

plus

the annual change in volume of sound wood in trees that had been classified as saw-timber trees at the beginning of the year, but were reclassified during the year as rough or rotten trees. Only the volume change that occurred during the portion of the year the trees were classified as sawtimber was included,

minus

the volume of sound wood in sawtimber trees that died from natural causes during the year, and

minus

the volume of sound wood in trees that had been classified as sawtimber trees at the beginning of the year, but were reclassified during the year as rough or rotten trees.

Mortality of growing stock.--The volume of sound wood in growing-stock trees dying annually from natural causes. Natural causes include fire, insects, disease, animal damage, weather, and suppression.

Mortality of sawtimber. -- The net board-foot volume of sawtimber trees dying annually from natural causes.

Timber Removals

Timber removals from growing stock .--The volume of sound wood in growing-stock trees removed annually for forest products (including roundwood products and logging residues) and for other removals (see glossary for volume of growing stock, p. 4). Roundwood products are logs, bolts, or other round sections cut and used from trees. Logging residues are the unused portions of cut trees plus unused trees killed by logging. Other removals are growing-stock trees removed but not utilized for products or trees left standing but "removed" from the commercial forest land classification by land use change--examples are removals from cultural operations such as timber stand improvement work, land clearing, and changes in land use.

Timber removals from sawtimber.--The net board-foot volume of live sawtimber trees removed for forest products annually (including roundwood products and logging residues) and for other removals (see glossary for volume of sawtimber, p. 4).

Timber products output.--All timber products cut from roundwood, and byproducts of wood manufacturing plants. Roundwood products include logs, bolts, or other round sections cut from growing-stock trees,

cull trees, salvable dead trees, trees on nonforest land, noncommercial species, sapling-size trees, and limbwood. Byproducts from primary manufacturing plants include slabs, edgings, trimmings, miscuts, sawdust, shavings, veneer cores and clippings, and screenings of pulpmills that are used as pulp chips or other products.

Plant byproducts. -- Wood products, such as pulpwood chips, obtained incidental to production of other manufactured products.

Plant residues. --Wood materials from manufacturing plants not utilized for some product.

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Spencer, John S., Jr., and Arnold J. Ostrom.
1975. Timber resource of Missouri's Riverborder, 1972. North
Cent. For. Exp. Stn., St. Paul, Minn. 74 p. (USDA For. Serv.
Resour. Bull. NC-25)

The third timber inventory of Missouri's Riverborder Forest Survey Unit shows that neither the total volume of growing stock nor of sawtimber changed significantly between 1959 and 1972. Area of commercial forest land declined slightly. Presents statistics on forest area and timber volume, growth, mortality, ownership, and use in 1972.

OXFORD: 524.1:905.2(778). KEY WORDS: timber volume, growth, utilization, forest areas.

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FOREWORD

Forest Survey is a continuing endeavor as mandated by the McSweeney-McNary Forest Research Act of 1928. Its objective is to inventory periodically the Nation's forest lands to determine their extent, condition, and volumes of timber, growth, and depletions. This kind of up-to-date information is essential to frame intelligent forest policies and programs. USDA Forest Service regional experiment stations are charged with the responsibility for conducting these inventories and publishing summary reports for individual States. The North Central Forest Experiment Station is responsible for Forest Survey work done in Michigan, Wisconsin, Minnesota, North Dakota, eastern South Dakota, Nebraska, Iowa, Illinois, Indiana, Missouri, and Kansas.

Fieldwork for the 1972 Missouri Forest Survey was started in January 1970 and was completed in May 1973. Reports on the two previous surveys of Missouri's timber resource are dated 1947 and 1959. These earlier reports provide a basis for comparison with the information in this report for those interested in trends that have developed over the past quarter century.

Similar Resource Bulletins reporting statistical highlights and detailed tables on the timber resource of the other Survey Units in Missouri (see cover) are in preparation. These will provide the basis for a comprehensive analysis of the timber resource of the entire State which will be published as a separate report.

A higher degree of accuracy of survey information was obtained during the 1972 survey than otherwise would have been feasible because of intensified field sampling made possible by extra funding provided the North Central Station by the State Legislature through the Missouri Department of Conservation. The Department also conducted a canvass of primary wood-using plants in the State, which was used to help in estimating the quantity of timber products harvested in Missouri.

Personnel from the National Forests in Missouri installed sample plots on national forest lands, which were used to inventory those lands. The USDA Agricultural Stabilization and Conservation Service and the State Historical Society of Missouri furnished aerial photos used in the survey.

NOTE

- References to information concerning growth, mortality, and removals are dated 1971, but information concerning forest area and timber inventory incorporates changes that occurred during calendar year 1971; therefore, they represent conditions as of January 1, 1972 and are dated 1972.
- Many Of the terms used in this Resource Bulletin have specialized meanings, which are defined in "Glossary of Terms Used in Resource Bulletins Reporting Missouri's 1972 Timber Resource." Copies of this Glossary can be obtained from the North Central Forest Experiment Station.

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TIMBER RESOURCE OF MISSOURI'S RIVERBORDER, 1972

John S. Spencer, Jr., and Arnold J. Ostrom

HIGHLIGHTS1

Forest Area

Area of forest land declined slightly from 2,237 thousand acres in 1959 to 2,157 thousand acres in 1972.

Commercial forest area slipped from 2,188 thousand acres in 1959 to 2,109 thousand acres in 1972.

Franklin County contains the largest area of commercial forest (234 thousand acres), followed by Jefferson County (216 thousand acres) and Callaway County (175 thousand acres).

Farmers, private individuals, and corporations not directly engaged in timber processing own 97 percent of the commercial forest land.

The white oak type and black-scarlet oak type dominated the commercial forest in 1972 as they did in 1959. In 1972 the white oak type totaled 701 thousand acres as compared to 504 thousand acres in 1959. The black-scarlet oak type totaled 486 thousand acres in 1972 as compared to 568 thousand acres in 1959.

Sawtimber stands account for 40 percent of commercial forest lands, followed by poletimber stands (36 percent), sapling and seedling stands (21 percent), and non-stocked areas (3 percent).

Timber Volume

Volume of growing stock (1.3 billion cubic feet) did not change significantly between 1959 and 1972.

Total sawtimber volume (3.6 billion board feet) remained virtually the same between 1959 and 1972.

Collectively, the oaks account for two-thirds of the 1972 growing-stock volume.

Average volume per acre of growing stock is 632 cubic feet (8.0 cords) in 1972, compared to 612 cubic feet (7.7 cords) in 1959.

Farmers, private individuals, and corporations not directly engaged in timber processing own 96 percent of the growing-stock volume.

Volume in rough and rotten trees that are alive (nongrowing stock) is 449 million cubic feet, most of which is in rough trees.

Short-log trees account for 76 million cubic feet of the total volume in rough and rotten trees.

Stand Conditions

Net annual growth on growing-stock trees was 34.2 million cubic feet (433 thousand cords) in 1971.

The rate of growth on growing-stock trees was 2.6 percent of inventory volume.

Mortality of growing-stock trees in 1971 amounted to 2.4 million cubic feet (30 thousand cords), largely caused by disease.

Forty-four percent of the commercial forest includes stands younger than 50 years old.

Area of commerical forest land is divided almost evenly into 10-year age classes.

Fifty-two percent of the commercial forest area is capable of growing trees 50 feet and taller at age 50, but only 16 percent is capable of growing trees 70 feet and taller at age 50.

¹Published 1959 statistics have been adjusted to be comparable with 1972 data because of changed definitions and procedures used during the two surveys.

Fifty-five percent of the commercial forest is poorly stocked and 3 percent is nonstocked with growing-stock trees.

Timber Use

Timber removals from growing stock in 1971 amounted to 36 million cubic feet (450 thousand cords), compared to net annual growth on growing-stock trees of 34 million cubic feet (433 thousand cords). (See glossary for timber removals, page 5).

Fifty-six percent of the volume of removals from growing stock was classed as "other" removals; and therefore was not utilized (see glossary for timber removals, page 5).

The output of timber products in 1969 amounted to 23 million cubic feet; principally as saw logs (36 percent), fuelwood (24 percent), cooperage (15 percent), and pulpwood (11 percent).

Total volume of wood residues from primary plants in 1969 was 7 million cubic feet, of which 3 million cubic feet was not used. 2

Managed Harvest³

For the years 1972 through 1981, annual managed harvest from growing stock on commercial forests is estimated to average 39 million cubic feet (494 thousand cords)--32 million cubic feet from harvest cuttings and 7 million cubic feet from thinnings.

During the same period, annual managed harvest from rough and rotten trees (nongrowing stock) is estimated to average 12 million cubic feet (155 thousand cords).

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²Primary plants are those using logs and bolts or chips, shavings, etc., from logs and bolts.

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LAND CLASS	:	19591/	:	1972
COMMERCIAL FOREST LAND: EASTERN REDCEDAR TYPE EASTERN REDCEDAR-HARDWOOD TYPE SHORTLEAD PINE-OAK TYPE POST-BLACKJACK OAK TYPE BLACK-SCARLET OAK TYPE WHITE OAK TYPE OAK-GUM-CYPRESS TYPE ELM-ASH-COTTONWOOD TYPE COTTONWOOD MAPLE-BEECH TYPE NONSTOCKED		14.93 68.01 18.09 225.40 567.70 504.07 105.40 255.73 1.80		59.30 115.40 4.30 281.50 485.90 701.20 56.60 194.00 4.80 133.40 72.50
SUBTOTAL	-	2,188.46		2,108.90
NONCOMMERCIAL FOREST LAND: UNPRODUCTIVE PRODUCTIVE-RESERVED	-	32.10 16.10		32.40
SUBTOTAL		48.20		48,50
NONFOREST LAND		5,774.54		5,850.90
TOTAL		8,011.20		8,008.30

1/ FIGURES HAVE BEEN ADJUSTED FROM THOSE PUBLISHED PREVIOUSLY FOR 1959 TO CONFORM TO 1972 LAND CLASSES BECAUSE OF CHANGES IN SURVEY DEFINITIONS AND PROCEDURES.

Table 2.--Area of land and forest land, by county, Riverborder, Missouri, 1972

	:		FOREST LAND	<u> </u>	COMMERCIAL FOREST
COUNTY	: LAND :	ALL	· NONCOMMERCIAL	: COMMERCIAL :	AS A PERCENT OF
	: //// :	FOREST		: :::::::::::::::::::::::::::::::::::::	LAND AREA
		<u>T</u>	HOUSAND ACRES -		PERCENT
BOONE	438.3	112.6	3.0	109.6	25
CALLAWAY	534.4	179.0	3.5	175.5	33
CAPE GIRARDEAU	367.3	91.1	3.7	87.4	24
COLE	245.7	79.8	1.9	77.9	32
DUNKLIN	347.5	20.1		20.1	6
FRANKLIN	597.6	243.7	9.2	234.5	39
GASCONADE	332.4	157.4	3.1	154.3	46
HOWARD	301.7	63.6	1.1	62.5	21
JEFFERSON	427.3	219.8	3.3	216.5	51
MISSISSIPPI	265.7	13.8	. 9	12.9	5
MONITEAU	268.0	61.1	1.5	59.6	22
MONTGOMERY	341.7	104.4	2.3	102.1	30
NEW MADRID	434.8	15.5		15.5	4
OSAGE	388.9	174.3	4.1	170.2	44
PEMISCOT	315.4	11.8		11.8	4
PERRY	301.4	104.6	1.2	103.4	34
ST. CHARLES	352.6	90.1	. 5	89.6	25
ST. LOUIS	358.8	68.9	2.8	66.1	18
STE. GENEVIEVE	319.6	156. 6	4.8	151.8	47
SCOTT	269.5	18.0		18.0	7
STODDARD	526.8	46.1		46.1	9
WARREN	272.9	125.1	1.6	123.5	45
ALL COUNTIES	8,008.3	2,157.4	48.5	2,108.9	26

Table 3.--Area of commercial forest land for Missouri's Riverborder
Survey Unit and for individual counties within Unit, by forest
type and stand-size class, 1972
(Thousand acres)

ALL			
ALL	LUZ	I I MILE	15.5

		ALL COUNTI	ES		
Forest type	All stands	Sawtimber stands	Poletimber	Sapling and seedling stands	
Eastern redcedar	59.3	4.5	22.5	32.3	
Eastern redcedar-					
hardwood	115.4	16.0	12.7	86.7	
Shortleaf pine-oak	4.3	1.1	3.2		
Post-blackjack oak Black-scarlet oak	281.5	48.2	175.0	58.3	
White oak	485.9 701.2	181.6	159.6	144.7	
Oak-gum-cypress	56.6	407.8 27.1	250.8	42.6	
Elm-ash-cottonwood	194.0	105.9	25.6 61.5	3.9	
Cottonwood	4.8	4.8	01.3	26.6	
Maple-beech,	133.4	45.7	47.4		
Nonstocked 1/	72.5			40.3	72.5
All forest types	2,108.9	842.7	758.3	435.4	72.5
		BOONE COUN	TY		
Eastern redcedar Eastern redcedar-	3.3	.2	1.0	2.1	
hardwood	7.1	.6	.7	5.8	
Post-blackjack oak	16.0	2.2	10.1	3.7	
Black-scarlet oak	25.6	8.7	8.5	8.4	
White oak	34.8	19.5	12.6	2.7	
Oak-gum-cypress	1.8	.5	1.3		
Elm-ash-cottonwood	9.1	4.7	2.9	1.5	
Cottonwood	.2	.2			
Maple-beech Nonstocked	7.8	2.4	2.4	3.0	
Notis Locked—	3.9				3.9
All forest types	109.6	39.0	39.5	27.2	3.9
		CALLAWAY CO	UNTY		
Eastern redcedar	4.2	2	1.3	2.6	
Eastern redcedar-	4.2	.3	1.3	2.0	
hardwood	9.4	1.2	1.2	7.0	
Post-blackjack oak	28.0	3.6	18.1	6.3	
Black-scarlet oak	42.1	14.7	14.6	12.8	
White oak	58.5	31.9	22.7	3.9	
Oak-gum-cypress	3.4	.9	2.5		
Elm-ash-cottonwood	12.7	6.6	4.3	1.8	
Cottonwood	. 2	. 2			
Maple-beech	11.5	3.6	3.8	4.1	
Nonstocked 1/	5.5				5.5
All forest types	175.5	63.0	68.5	38.5	5.5
	С	APE GIRARDEAU	COUNTY		
Eastern redcedar	2.4	.2	.7	1.5	
Eastern redcedar-	5.2	.6	.4	4.2	
hardwood Post-blackjack oak	10.8	2.3	6.3	2.2	
Black-scarlet oak	18.6	7.4	6.3	4.9	
White oak	32.7	21.1	10.1	1.5	
Oak-gum-cypress	1.1	.3	.8		
Elm-ash-cottonwood	7.5	4.1	2.3	1.1	
Cottonwood	.2	.2			
Maple-beech	6.1	1.9	2.0	2.2	
Nonstocked 1/	2.8			an an	2.8
All forest types	87.4	38.1	28.9	17.6	2.8

^{1/} See glossary for stand-size classes (page 3). (Table 3 cont. on next page)

(Table 3 cont.) COLE COUNTY

(Table 3 cont.)		COLL	COUNTY		
	: Al:	Sawtimber	Poletimber	: Sapling	; Non-
Forest type			stands	: and seedling	: stocked
	stan	is stands	: stands	: stands	: areas
Eastern redcedar	2.9	.1	.8	2.0	
Eastern redcedar-					
hardwood	6.3	L .7	.6	4.8	
Post-blackjack oak	12.	1.4	7.8	2.9	
Black-scarlet oak	18.2	6.0	6.1	6.1	
White oak	23.	7 13.1	8.6	2.0	
Oak-gum-cypress	1.3		1.0		
Elm-ash-cottonwood	5.3		1.8	1.3	
			1.0	1.3	
Cottonwood	. •				
Maple-beech Nonstocked 1/	4.		1.5	1.8	
Nonstocked ±'	3.0	·			3.6
All forest types	77.9	25.2	28.2	20.9	3.6
		DUNKLIN	COUNTY		
					-
Post-blackjack oak	. 4				
Black-scarlet oak	1.		•5	.4	
White oak	1.0)	.2	.8	
Oak-gum-cypress	5.3	4.5	.8	.4	
Elm-ash-cottonwood	9.		2.1	.9	
Cottonwood					
Maple-beech			.6		
Nonstocked 1/	. 8	3			.8
All forest types	20.	12.6	4.2	2.5	.8
		FRANKLIN	COUNTY		
Eastern redcedar	8	.3 .8	3.8	3.7	
Eastern redcedar-					
hardwood	13.	.0 2.3	1.2	9.5	
Shortleaf pine-oak		.6 .6			
Post-blackjack oak	28			4.9	
Black-scarlet oak	55			15.5	
White oak	89		30.5	3.1	
Oak-gum-cypress	3.		1.6		
Elm-ash-cottonwood	16			2,5	
Cottonwood		.3 .3			
Maple-beech,	14	1 4.6	5.4	4.1	
Maple-beech Nonstocked 1/	6				6.5
All forest types	234	.5 102.	3 82.4	43.3	6.5
		GASCONA	DE COUNTY		
Eastern redcedar Eastern redcedar-	3	.2 .4	1.3	1.5	
hardwood	7	.7 .9	1.5	5.3	
Post-blackjack oak	26			5.7	
Black-scarlet oak	35			8.7	
White oak	58			2.8	
Oak-gum-cypress		.5 .8			
Elm-ash-cottonwood		.1 4.4	3.3	1.4	
Cottonwood		.1 .1			
Maple-beech		.5 2.4	3.4	1.7	
Nonstocked 1/		.7			3.7
All forest types	154	.3 60.5	63.0	27.1	3.7

1/ See glossary for stand-size classes (page 3) (Table 3 cont. on next page)

	: All	: Sawtimber	· Poletimber	Sapling	Non-
Forest type	: stands		stands	and seedling :	stocked
	:	:	:	stands	
77					
Eastern redcedar	2.6	.1	.8	1.7	
Eastern redcedar-					
hardwood	4.6	.3	.3	4.0	
Post-blackjack oak	7.6	1.2	4.7	1.7	
Black-scarlet oak	15.2	5.0	4.7	5.5	
White oak	18.8	10.8	6.3	1.7	
Oak-gum-cypress	.9	.3	.6		
Elm-ash-cottonwood	5.2	2.4	1.6	1.2	
Cottonwood	.1	.1			
Maple-beech Nonstocked1/	4.9	1.5	1.3	2.1	
Nonstocked='	2.6				2.6
All forest types	62.5	21.7	20.3	17.9	2.6
		JEFFERSON C	OUNTY		
T	0.5	,	2.5	, ,	
Eastern redcedar-	8.5	.6	3.5	4.4	
hardwood	10.5	2.2	1.4	6.9	
Post-blackjack oak	29.2	5.3	18.4	5.5	
Black-scarlet oak	53.2	20.0	16.9	16.3	
White oak	80.9	49.0	28.3	3.6	
Oak-gum-cypress	3.0	1.4	1.6		
Elm-ash-cottonwood	11.1	5.0	3.9	2.2	
Cottonwood	.1	.1			
Maple-beech	12.0	4.0	4.6	3.4	
Nonstocked $\frac{1}{2}$	8.0				8.0
All forest types	216.5	87.6	78.6	42.3	8.0
		MISSISSIPPI	COUNTY		
					
Oak-gum-cypress	3.1	1.2	1.1	.8	
Elm-ash-cottonwood	7.9	4.8	2.7	. 4	-
	. 5	.5			
	.6	.5 	.6		
	.6		.6		
Maple-beech Nonstocked <u>1</u> /	.6		4.4		
Maple-beech 1/ Nonstocked 1/ All forest types	.6	6.5	4.4		
Maple-beech 1/ Nonstocked 1/ All forest types Eastern redcedar	12.9	6.5	.6 4.4 UNTY	1,2	•
Maple-beech 1/ Nonstocked 1/ All forest types	12.9	6.5	.6 4.4 UNTY	1,2	•
Maple-beech 1/ Nonstocked 1/ All forest types Eastern redcedar Eastern redcedar	12.9	6.5 MONITEAU CO	.6 4.4 JUNTY	1.2 1.5 3.6 2.4	•
Maple-beech 1/ Nonstocked 1/ All forest types Eastern redcedar Eastern redcedar- hardwood Post-blackjack oak	2.3 4.2	6.5 MONITEAU CO .1 .2	.6 4.4 UNITY .7	1.5	
Maple-beech 1/ Nonstocked 1/ All forest types Eastern redcedar Eastern redcedar- hardwood	2.3 4.2 9.4	6.5 MONITEAU CO .1 .2 .8	.6 4.4 OUNTY .7 .4 6.2	1.2 1.5 3.6 2.4	
Maple-beech 1/ Nonstocked 1/ All forest types Eastern redcedar Eastern redcedar- hardwood Post-blackjack oak Black-scarlet oak White oak	2.3 4.2 9.4 15.1	6.5 MONITEAU CO .1 .2 .8 4.2	.6 4.4 OUNTY .7 .4 6.2 4.7	1.2 1.5 3.6 2.4 6.2	
Maple-beech 1/ Nonstocked 1/ All forest types Eastern redcedar Eastern redcedar- hardwood Post-blackjack oak Black-scarlet oak White oak Oak-gum-cypress	2.3 4.2 9.4 15.1 16.7	6.5 MONITEAU CO .1 .2 .8 4.2 8.4	.6 4.4 DUNTY .7 .4 6.2 4.7 6.4	1.2 1.5 3.6 2.4 6.2 1.9	
Eastern redcedar Eastern redcedar- hardwood Post-blackjack oak Black-scarlet oak White oak	2.3 4.2 9.4 15.1 16.7 1.3	6.5 MONITEAU CO .1 .2 .8 4.2 8.4 .5	.6 4.4 DUNTY .7 .4 6.2 4.7 6.4 .8	1.2 1.5 3.6 2.4 6.2 1.9	

¹/ See glossary for stand-size classes (page 3). (Table 3 cont. on next page)

16.4

59.6

All forest types

21.7

18.7

2.8

Stands S	(Table 3 cont.)		MONTG	OMERY C	OUNTY		
Eastern redcedar Eastern redcedar hardwood 7.9 1.1 .7 6.1 Post-blackjack oak 16.2 2.0 10.4 3.8 Post-blackjack oak 10.7 10.8 11.6 2.3 Post-blackjack oak 10.7 10.8 11.6 2.3 Post-blackjack oak 10.7 10.8 11.6 2.3 Post-blackjack oak 10.1 3.3 Post-blackjack oak 10.1 6.0 3.2 2.9 Post-blackjack oak 10.1 6.0 3.2 9.9 Post-blackjack oak 10.1 6.0 3.2 19.9 10.0 10.0 10.0 10.0 10.0 10.0 10.0	:	A11	: Sawti	mber :	Poletimber :		
Eastern redcedar hardwood 7.9 1.1 .5 1.1 Eastern redcedar- hardwood 7.9 1.1 .7 6.1 Post-black Jack oak 16.2 2.0 10.4 3.8 Black-scarlet oak 22.7 8.1 8.4 6.2 Dak-gum-cypress 1.9 .4 1.5 Eastern redcedar Norstocked 7.1 2.6 2.8 1.1 Cottonwood 3.3 .3 Cottonwood 3.3 .3 Cottonwood 3.7 Cottonwood 3.8 Cottonwood 3.4 Cottonwood 3.5 Cottonwood 3.	Forest type :	stands	: sta	nds :	stands :		
Castern redcedar-	<u>:</u>		:	<u>:</u>	:	stands :	areas
Castern redcedar-	Factorn redecder	1 7		1	5	1 1	
Nardwood 7.9		1.7		• 1		1.1	
Post-blackjack oak 16.2 2.0 10.4 3.8		7 0	1	1	7	6 1	
Stack-scarlet oak 22.7							
### An							
Dak-gum-cypress 1.9				-			
Elm-ash-cottonwood							
Cottonwood 3							
Apple-beech 7.1 2.6 2.4 2.1 3.7							
All forest types 102.1 37.4 38.3 22.7 3.7							
All forest types 102.1 37.4 38.3 22.7 3.7	Maple-beech/						
NEW MADRID COUNTY State	Nonstocked—	3.7					3.7
Dak-gum-cypress 3.2	All forest types	102.1	37	. 4	38.3	22.7	3.7
Sim-ash-cottonwood			NEW M	ADRID C	OUNTY		
Sim-ash-cottonwood	Oak-aum-cypress	3.2	1	4	9	q	
Apple-beech .8							
Aple-beech Nonstocked 1/ 1.0 1.0 All forest types 15.5 7.8 4.9 1.8 1.0 OSAGE COUNTY							
All forest types 15.5 7.8 4.9 1.8 1.0							
All forest types							
OSAGE COUNTY Eastern redcedar Eastern redcedar-hardwood 8.6 1.3 1.2 6.1 Post-blackjack oak 26.7 3.4 17.5 5.8 Black-scarlet oak 42.7 13.9 14.0 14.8 White oak Dak-gum-cypress 3.2 1.2 2.0 Eagle-beech Nonstocked All forest types 170.2 60.2 64.5 39.1 6 PEMISCOT COUNTY White oak .336 All forest county PEMISCOT COUNTY White oak .336 All forest county Cottonwood 7.4 4.7 2.5 .2 Eagle-beech All forest county Cottonwood 7.4 4.7 2.5 .2 Cottonwood 8.6 1.3 1.2 6.1 170.2 60.2 64.5 39.1 6	Nonstocked ='	1.0					1.0
Eastern redcedar 6.3 .3 2.3 3.7 Eastern redcedar-hardwood 8.6 1.3 1.2 6.1 Post-blackjack oak 26.7 3.4 17.5 5.8 Black-scarlet oak 42.7 13.9 14.0 14.8 White oak 55.5 30.8 20.4 4.3 Dak-gum-cypress 3.2 1.2 2.0 Edm-ash-cottonwood 10.8 5.6 3.5 1.7 Cottonwood 2.2 .2 Eaple-beech 9.8 3.5 3.6 2.7 Nonstocked 9.8 3.5 3.6 2.7 Early Solution County White oak 3 3 6 All forest types 170.2 60.2 64.5 39.1 6 PEMISCOT COUNTY White oak 3 3 6 Cottonwood 7.4 4.7 2.5 .2 Cottonwood 7.5 7 7 7 Cottonwood 7.7 7 7 7 7 7 7 7	All forest types	15.5	7	.8	4.9	1.8	1.0
Eastern redcedar-hardwood 8.6 1.3 1.2 6.1 Post-blackjack oak 26.7 3.4 17.5 5.8 Black-scarlet oak 42.7 13.9 14.0 14.8 White oak 55.5 30.8 20.4 4.3 Dak-gum-cypress 3.2 1.2 2.0 Elm-ash-cottonwood 10.8 5.6 3.5 1.7 Cottonwood 2.2 2.2 Apple-beech 9.8 3.5 3.6 2.7 Nonstocked 9.8 3.5 3.6 2.7 All forest types 170.2 60.2 64.5 39.1 6 PEMISCOT COUNTY White oak 3 3 6 Elm-ash-cottonwood 7.4 4.7 2.5 2.2 Cottonwood 7.4 4.7 2.5 2.5 2.2 Cottonwood 7.4 3.7 2.5 2.5 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2			OSAG	E COUNT	Y		
Eastern redcedar-hardwood 8.6 1.3 1.2 6.1 Post-blackjack oak 26.7 3.4 17.5 5.8 Black-scarlet oak 42.7 13.9 14.0 14.8 White oak 55.5 30.8 20.4 4.3 Dak-gum-cypress 3.2 1.2 2.0 Elm-ash-cottonwood 10.8 5.6 3.5 1.7 Cottonwood 2.2 2.2 Apple-beech 9.8 3.5 3.6 2.7 Nonstocked 9.8 3.5 3.6 2.7 All forest types 170.2 60.2 64.5 39.1 6 PEMISCOT COUNTY White oak 3 3 6 Elm-ash-cottonwood 7.4 4.7 2.5 2.2 Cottonwood 7.4 4.7 2.5 2.5 2.2 Cottonwood 7.4 3.7 2.5 2.5 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2	Eastern redcedar		6.3	. 3	2.3	3.7	_
Post-black 26.7 3.4 17.5 5.8		,					_
Slack-scarlet oak		•					_
White oak 55.5 30.8 20.4 4.3 Dak-gum-cypress 3.2 1.2 2.0 Elm-ash-cottonwood 10.8 5.6 3.5 1.7 Cottonwood .2 .2 .2 Maple-beech 9.8 3.5 3.6 2.7 Nonstocked - 6.4 6 All forest types 170.2 60.2 64.5 39.1 6 PEMISCOT COUNTY White oak .33 6 Dak-gum-cypress 2.4 1.8 .5 .1 Elm-ash-cottonwood 7.4 4.7 2.5 .2 Cottonwood .4 .4 Maple-beech 776 Nonstocked - 66							_
Dak-gum-cypress 3.2 1.2 2.0							
Sim-ash-cottonwood 10.8 5.6 3.5 1.7							
Cottonwood .2							
Maple-beech 9.8 3.5 3.6 2.7							_
All forest types							
## All forest types 170.2 60.2 64.5' 39.1 6 ### PEMISCOT COUNTY White oak	Maple-beech /						
PEMISCOT COUNTY White oak 3 3	Nonstocked ='		6.4				6.
White oak .33 Dak-gum-cypress 2.4 1.8 .5 .1 Elm-ash-cottonwood 7.4 4.7 2.5 .2 Clottonwood .4 .4 Maple-beech, .77 Nonstocked66	All forest types	-	170.2	60.2	64.5	39.1	6.
Dak-gum-cypress 2.4 1.8 .5 .1 Elm-ash-cottonwood 7.4 4.7 2.5 .2 Cottonwood .4 .4 Maple-beech .7 .7 Nonstocked .6 .6			PEMIS	COT COL	NTY		
Dak-gum-cypress 2.4 1.8 .5 .1 Elm-ash-cottonwood 7.4 4.7 2.5 .2 Cottonwood .4 .4 Maple-beech .7 .7 Nonstocked .6 .6	White oak	.3	_	_	.3		
Elm-ash-cottonwood 7.4 4.7 2.5 .2 Cottonwood .4 .4 Maple-beech .77 Nonstocked 66			1.	8		.1	
Cottonwood .4 .4	Elm-ash-cottonwood						
Maple-beech .776 Nonstocked66	Cottonwood						
Nonstocked_V .66							
All forest types 11.8 6.9 4.0 .3 .6	Nonstocked_1		-	-		~-	.6
All forest types 11.8 6.9 4.0 .3 .6	_						
	All forest types	11.8	6.	9	4.0	.3	.6

^{1/2} See glossary for stand-size classes (page 3). (Table 3 cont. on next page)

	: A11	: Sawtimber	: D-1	: Sapling	: Non-
Forest type	: stands	: Sawtimber	Poletimber	: and seedling	
	: Stallds	Stands	: stands	: stands	
F	2 7	2	1.0		
Eastern redcedar Eastern redcedar-	2.7	.3	1.0	1.4	
hardwood	5.7	1.0	. 4	4.3	
Shortleaf pine-oak	.5		.5	7.5	
Post-blackjack oak	13.4	2.8	8.1	2.5	
Black-scarlet oak	24.2	9.5	7.8	6.9	
White oak	38.7	23.7	13.3	1.7	
Oak-gum-cypress	1.3	.6	.7		
Elm-ash-cottonwood	7.6	3.6	2.6	1.4	
Cottonwood	.2	. 2			
Maple-beech,	6.5	2.0	2.5	2.0	
Nonstocked ¹	2.6				2.6
All forest types	103.4	43.7	36.9	20.2	2.6
		ST. CHARLES	COUNTY		
-					
Eastern redcedar Eastern redcedar-	1.9	.2	.7	1.0	
hardwood	6.2	1.0	.2	5.0	
Post-blackjack oak	7.7	2.3	4.0	1.4	
Black-scarlet oak	17.0	6.6	6.0	4.4	
White oak	30.0	19.3	9.6	1.1	
Oak-gum-cypress	1.1	.3	.8		
Elm-ash-cottonwood	14.7	9.2	4.0	1.5	
Cottonwood	.6	.6			
Maple-beech	7.3	3.4	2.1	1.8	
Nonstocked 1/	3.1	J.4	2.1	1.0	3.1
Hollstocked —	J.1				J.1
All forest types	89.6	42.9	27.4	16.2	3.1
		ST. LOUIS	COUNTY		
Eastern redcedar	2.4	.2	.9	1.3	
Eastern redcedar-		*-	• •		
hardwood	5.6	.8	.5	4.3	
Post-blackjack oak	6.3	1.6	3.5	1.2	
Black-scarlet oak	14.6	5.2	4.3	5.1	
White oak	20.1	12.4	6.4	1.3	
Oak-gum-cypress	1.0	.4	.6		
Elm-ash-cottonwood	7.3	4.3	2.2	.8	
Cottonwood	.2	.2			
Maple-beech	5.8	1.9	1.8	2.1	
Nonstocked_/	2.8				2.8
All forest types	66.1	27.0	20,2	16.1	2,8
zorost ejpos		STE. GENEVIE			
Eastern redcedar Eastern redcedar-	3.8	.3	1.6	1.9	
hardwood	7.1	.8	1.2	5.1	
Shortleaf pine-oak	3.2	.5	2.7		
Post-blackjack oak	24.5	3.3	16.1	5.1	
Black-scarlet oak	37.4	12.6	12.7	12.1	
White oak	53.7	30.2	20.4	3.1	
Oak-gum-cypress	2.8	1.2	1.6		
Elm-ash-cottonwood	6.7	2.7	2.6	1.4	
Maple-beech	8.7	2.6	3.4	2.7	
Nonstocked $\frac{1}{}$	3.9				3.9

1/ See glossary for stand-size classes (page 3). (Table 3 cont. on next page)

	: All	: C	: D-1	; Sapling and	Nongtocko
Forest type	: stands	Sawtimber stands	Poletimber stands	: seedling	HOHSLOCKE
	: stands	: stands	stands	: stands	areas
Post-blackjack oak	.5	.5			
Black-scarlet oak	6.5	4.6	1.1	.8	
White oak	4.7	2.1	1.6	1.0	
Oak-gum-cypress	1.7	1.2	.5		~-
Elm-ash-cottonwood	2.5	1.4	.9	.2	
Cottonwood	.1	.1	←		
Maple-beech 1/	1.7	1.4	.3		
Non-stocked 1/	.3				.3
All forest types	18.0	11.3	4.4	2.0	.3
		STODDARD CO	OUNTY		
Post-blackjack oak	1.4	1.4			
Black-scarlet oak	13.6	8.1	3.2	2.3	
White oak	8.2	3.1	3.1	2.0	
Oak-gum-cypress	9.0	5.8	1.5	1.7	
Elm-ash-cottonwood	9.3	6.7	1.8	.8	
Cottonwood	.2	.2			
Maple-beech	3.6	2.6	.3	.7	
Nonstocked 1/	.8				.8
All forest types	46.1	27.9	9.9	7.5	.8
		WARREN COL	NTY		
Eastern redcedar	2.8	.3	1.6	.9	
Eastern redcedar-					
hardwood	6.5	1.0	.8	4.7	
Post-blackjack oak	16.4	3.0	10.2	3.2	
Black-scarlet oak	27.1	10.2	9.6	7.3	
White oak	44.6	26.5	16.3	1.8	
Oak-gum-cypress	1.9	.7	1.2		
Elm-ash⊸cottonwood	10.6	5.7	3.5	1.4	
Cottonwood	. 2	. 2			
Maple-beech	7.1	2.9	2.6	1.6	
Nonstocked $1/$	6.3				6,3
All forest types	123.5	50.5	45.8	20.9	6.3

^{1/} See glossary for stand-size classes (page 3).

Table 4.--Area of commercial forest land, by county and ownership class, Riverborder, Missouri, 1972
(Thousand acres)

COUNTY	ALL OWNERSHIPS	IATIONAL FOREST	OTHER S	TATE, COUNTY, AND MUNICIPAL	FIIRF	FARMER AND MISCELLANEOUS PRIVATE
BOONE	109.6		0.7	1.7		107.2
CALLAWAY	175.5		3.4	. 2		171.9
CAPE GIRARDEAU	87.4			. ī		87.3
COLE	77.9			· i		77.8
DUNKLIN	20.1			2.9	2.5	14.7
FRANKLIN	234.5			. 2	2.5	234.3
GASCONADE	154.3					154.3
HOWARD	62.5			1.3		61.2
JEFFERSON	216.5			1.5		216.5
MISSISSIPPI	12.9				2.0	10.9
MONITEAU	59.6				2.0	59.6
MONTGOMERY	102.1			1.2	. 1	100.8
NEW MADRID	15.5			1 . 4	6.0	9.5
OSAGE	170.2	~ -			0.0	170.2
PEMISCOT	11.8			2.D	2.5	7.3
PERRY	103.4			2.0	2.5	103.4
ST. CHARLES	89.6		1.0	3.8		84.8
ST. LOUIS	66.1		1.0	3.0		62.9
STE. GENEVIEVE		0 2		3.2		
	151.8	9.2				142.6
SCOTT	18.0		0 0	1 0		18.D
STODDARD	46.1		8.0	1.8	1 2	36.3
WARREN	123.5			4.1	1.3	118.1
ALL COUNTIES	2,108.9	9.2	13.1	22.6	14.4	2,049.6

Table 5.--Area of commercial forest land, by stand-volume and ownership class, Riverborder, Missouri, 1972
(Thousand acres)

STAND VOLUME PER ACRE1/ (BOARD FEET)	ALL OWNERSHIPS	NATIONAL FOREST	. UTHER .	STATE, COUNTY AND MUNICIPAL	* FOREST M	FARMER AND ISCELLANEOUS PRIVATE
LESS THAN 1,500 1,500 TO 5,000 MORE THAN 5,000	1,007.4 922.8 178.7	6.1	9.4 3.3 .4	9.3 9.6 3.7	7.2 7.1 .1	975.4 899.7 174.5
ALL CLASSES	2,108.9	9.2	13.1	22.6	14.4	2,049.6

^{1/} INTERNATIONAL 1/4-INCH RULE.

Table 6.--Area of commercial forest land, by area-condition and ownership class, Riverborder, Missouri, 1972 (Thousand acres)

AREA-CONDITION CLASS 1	ALL OWNERSHIPS		L. UIHER .	TATE, COUNTY AND MUNICIPAL	' FOREST INDUSTRY	FARMER AND MISCELLANEOUS PRIVATE
40 50 60 70	4.8 70.5 847.7 1,185.9	 5.4 3.8	1.1 5.8 6.2	3.2 12.9 6.5	 5.8 8.6	4.8 66.2 817.8 1,160.8
ALL CLASSES	2,108.9	9.2	13.1	22.6	14.4	2,049.6

^{1/} See glossary for area-condition classes (page 2).

Table 7.--Area of commercial forest land, by site and ownership class, Riverborder, Missouri, 1972
(Thousand acres)

SITE CLASS (CUBIC FEET OF GROWTH PER ACRE PER YEAR)	ALL OWNERSHIPS	NATIONAL FOREST	OTHER FEDERAL	STATE, COUNTY AND MUNICIPAL	FOREST INDUSTRY	: FARMER AND : MISCELLANEOUS : PRIVATE
165 OR MORE 120-164 85-119 50-84 LESS THAN 50	3.1 24.9 106.4 318.4 1,656.1	 1.9 7.3	 5.9 2.1 5.1	3.5 6.6 12.5	2.6 8.0 2.6 1.2	3.1 22.3 89.0 305.2 1,630.0
ALL CLASSES	2,108.9	9.2	13.1	22.6	14.4	2,049.6

Table 8.--Area of commercial forest land, by forest type and ownership class, Riverborder, Missouri, 1972 (Thousand acres)

ALL :NATIONAL: OTHER :STATE, COUNTY: FOREST : FARMER AND OWNERSHIPS:FOREST_/; FEDERAL: MUNICIPAL :INDUSTRY; PRIVATE	59.3	115.4	2,1 2,2	.1 281.4	6.2 .6 479.1	6.689 8. 8. 689.9	8.0 5.9 42.7	.4 5.1 4.3 11.2 173.0		133.4	2.3 70.2	
ALL OWNERSHIPS	59.3	115.4	4.3	281.5	485.9	701.2	56.6	194.0	4.8	133.4	72.5	
FOREST TYPE	EASTERN REDCEDAR EASTERN REDCEDAR-	HARDWOOD	SHORTLEAF PINE-OAK	POST-BLACKJACK OAK	BLACK-SCARLET OAK	WHITE OAK	OAK-GUM-CYPRESS	ELM-ASH-COTTONWOOD	COTTONWOOD	MAPLE-BEECH	NONSTOCKED 2/	

1/ ESTIMATES OF AREA OF SOME FOREST TYPES FOR NATIONAL FOREST OWNER DIFFER FROM THOSE SHOWN IN CURRENT TIMBER MANAGEMENT PLANS FOR THE NATIONAL FORESTS IN MISSOURI. 2/ SEE GLOSSARY FOR STAND-SIZE CLASSES (PAGE 3).

Table 9.--Area of commercial forest land, by forest type and stand-age class, Riverborder, Missouri, 1972 (Thousand acres)

		1	1	1	1	1	1	1	1	I	1	i i	1	
	140+													
	120- :	:	8	1	14.7	6.02	7.62	1.4	2.1	1	9.4	1	73.4	
			_		_									
	100-		7.8	1	15.9	28.6	117.5	7.0	3.7	1	4.7	-	185.2	
			9.	~	0.0	5.5	4.	6.1	8.1	1		1	7	
	-06		10	1	16	1.5	9,6	(*)	au		1		156.7	
		5.2	1	1	0 • •	3.5	6.1	1	4.8	1	9.6	0 • 9	81.3	
	80-				č	2	.00		_		Ĭ		181	
		3.4	1	1	0.1	3.2	1.5	I	4.2	I	6.4	4.5	81.2	
(5)	70-				7	2	6				1		-	
AGE CLASS (YFARS)		14.0	0.41	1	21.1	32.9	75.5	6.7	21.4	1	5.1	1	190.7	
155	-09	-			10	1-3	-		10				15	
E CL/	-05	3.4	1	1	2.44	50.1	66.3	6.7	17.9	1	6.3	11.0	6.205	
					•		•						5	
STAND	-07		4.3	3.2	21.1	62.6	8.65	1	17.4	1.8	13.2	1.8	185.2	
	3 3													
	30-		1	1	21.3	60.6	26.7	8.9	37.8	-	19.2	1	174.5	
	•• ••		_		_		•	_		_				
	29-		00	i	10.	35.1	11.	18.	46.4	3.(5	10.	149.7	
		_	7		_	6	Œ	6	89		2	-	2	
	10-	20.	38.	1	37.	70.	22.	•	5.8	1	9	12.	215.5	
		٥	۳,	!	3	m	00	0	8	!		4.	9	
	00	11.6	39.3	•	'n	56.3	13.8	3.0	20.8	•	33.	56.4	209.6	
		59.3	4.	4.3	5.	6	2.	9.95	0.	80	4.	12.5	2108.9	
-	AGES	59	115.4	4	281.5	485.9	701.2	56	194.0	4	133.4	72	2108	
			9	×	Y.	_			00				S	
	DE C	DAR	MARDI	10 JN	CK OF	T OAH		585	OMNO				TYPE	
	T TYF	PEDCE	DAR-	F PII	CKJA	ARLE	¥	CYPRE	COTT	00	FCH,	ED 17	REST	
	FOWEST TYPE	EASTEPN REDCEDAR	E. REDCEDAR-HARDWD	HORTLEAF PINE DAK	OST-PLACKJACK DAK	ILACK-SCARLET DAK	WHITE OAK	JAK-GUM-CYPRESS	LM-ASH-COTTONWOOD	COLTONWOOD	APLE-BEECH,	IONSTOCKED L	ALL FOREST TYPES	
	i.	EAST	F. R	SHOR	POST	BLAC	FHIM	OAK-	ELM-	COLT	MAPL	NON	ALI	

1/ See glossary for stand-size classes (page 3).

Table 10.—Area of commercial forest land, by forest type and site-index class, Riverborder, Missouri, 1972 (Thousand acres)

				SITE-	SITE-INDEX CLASS (HEIGHT IN FEET AT 50 YEARS)	S (HEIGHT	IN FEET AT	50 YEARS)			
FOREST TYPE	ALL : CLASSES :	- 6	10- :	20- :	30- :	: 67	50 - :	: -09	: -02	: -08 : -08	+06
FACTEDN DEDCEDAD	50.3		:	9.6	38.0	12.3	-	1	:	:	1
F. REDCEDAR-HARDWD	115.4	1	;	0. 0.	47.0	59.62	12.7	14.5	5.8	1	1
SHORTLEAF PINF OAK	4.3	1	!	1	1	3.2	1	1.1	1	1	
POST-BLACKJACK DAK	281.5	1	1	41.8	105.6	7.07	55.7	5.4	2•3	1	1 !
BLACK-SCARLET OAK	485.9	1	1	1	34.3	89.3	178.8	117.4	41.4	21.8	5.9
EHITE OAK	701.2	1	;	1	221.7	209.2	170.4	45.7	7.94	c 60	1 5
OAK-GUM-CYPRESS	56.6	;	1	1	1	6.2	5.1	11.1	9.1	13.1	12.0
ELM-ASH-COTTONWOOD	194.0	1	:	!	8.6	8.0	17.0	37.5	56.6	45.5	54.1
COUNTOU	4.8	1	:	1	1	:	:	!	1	1	3
MADI FIREFICH	133.4	1	;	1	4.7	21.6	39.3	27.5	30.5	φ α	1
NONSTOCKED 1/	72.5	1	1	16.4	21.4	:	14.8	5.7	10.0	4°5	
ALL FOREST TYPES	2108.9	-	-	73.0	481.3	450.1	493.8	565.9	171.9	99.1	73.8

1/ See glossary for stand-size classes (page 3).

Table 11.—Area of commerical forest land, by forest type and basal-area class, Riverborder, Missouri, 1972. (Thousand acres)

FOREST TYPE : CLA				BA	SAL-AREA C	BASAL-AREA CLASS ISQUARE FEEL PER ACRES	אר ירה י	R ACRE			
	ALL :	19 ::	20- :	0+	: 62	: -08	100- :	120- :	140- : 159 :	160- : 179 :	180+
TACTEDNI DEDCEDAD	20.3	6.0	4.7	28.0	20.6	:	:	:	:	1	1
E STERN RESCUENT	115.4	25.3	27.2	39.3	12.5	11.1	!	1	1	1	1
C. KEUCEUAKITAKUWU SHODII FAF DINF OAK	4.4		1)	€.4 €.4		1	;	;	-	1
DOST-BLACK JACK DAK	281.5	۸, ۸	;	68.1	112.5	9.65	45.9	:	1	1	i
DI ACKLECADI ET CAK	6.594	73.4	20.4	149.4	146.8	110.4	35.5	:	1	1	1
STACK SCREEN OF	701.2	6.0	13.8	87.5	251.6	230.4	107.4	4.3	1	!	!
WHILE UMA OAK-GIM-CYDDESS	7 4 7	J [1.9	14.8	20.2	5.9	8.5	4.8	3.5	1	1
MANUAL COLUMNIA ON THE PROPERTY OF THE PROPERT	194.0	9.6	20°C	45.9	46.2	43.2	14.7	10.9	3.7	1	1
COTTONIOOD	0	1	1	- 1	1	1.8	3.0	1	1	1	1
ADI FIREFOR	122.4	26.6	13.3	36.0	35.2	15.6	6.7	!	1	1	1
VONSTOCKED 1/	72.5	29.1	27.6	0.9	4.5	5.3	:		:	:	
ALL FOREST TYPES 2	2108.9	131.6	131.7	472.0	654.4	470.3	221.7	20.0	7.2	-	-

1/ See glossary for stand-size classes (page 3).

Table 12.--Area of commercial forest land, by forest type, standsize, and site class, Riverborder, Missouri, 1972 (Thousand acres)

FOREST TYPE AND STAND-SIZE CLASS	:ALL SITE: : CLASSES:	165 CU. FT OR MORE	.:120 TO 165: : CU. FT. :	85 TO 120	: 50 TO 85 :	LESS THAN 50 CU. FT.
EASTERN REDCEDAR						
SAWTIMBER	4.5					4.5
POLETIMBER	22.5					22.5
SAPLING AND SEEDLING	32.3					32.3
ALL STANDS	59.3					59.3
EASTERN REDCEDAR-HARDWOOD						
SAWTIMBER	16.0					16.0
POLETIMBER	12.7					12.7
SAPLING AND SEEDLING	86.7				5.7	81.0
ALL STANDS	115.4				5.7	109.7
SHORTLEAF PINE-OAK	, ,					
SAWTIMBER POLETIMBER	1.1				1.1	3.2
SAPLING AND SEEDLING						3.2
ALL STANDS	4.3				1.1	3.2
	7.3				1.1	3.2
POST-BLACKJACK OAK SAWTIMBER	48.2				2.3	45.0
POLETIMBER	175.0				2.3	45.9 175.0
SAPLING AND SEEDLING	58.3		· ·		5.4	52.9
ALL STANDS	281.5				7.7	273.8
BLACK-SCARLET OAK					7.7	273.0
SAWTIMBER	181.6				62.8	118.8
POLETIMBER	159.6			10.0	25.2	124.4
SAPLING AND SEEDLING	144.7			13.4	5.5	125.8
ALL STANDS	485.9			23.4	93.5	369.0
WHITE OAK			-			
SAWTIMBER	407.8				43.0	364.8
POLETIMBER	250.8				20.6	230.2
SAPLING AND SEEDLING	42.6				13.5	29.1
ALL STANDS	701.2				77.1	624.1
OAK-GUM-CYPRESS						
SAWTIMBER	27.1			18.7	3.9	4.5
POLETIMBER SAPLING AND SEEDLING	25.6 3.9			5.0 1.1	8.9 2.8	11.7
ALL STANDS	56.6			24.8	15.6	16.2
	50.0			24.0	13.0	10.2
ELM-ASH-COTTONWOOD	105.9	2 1	00.1	20 6	21 4	17.7
SAWTIMBER POLETIMBER	61.5	3.1	23.1	30.6 11.0	31.4 15.6	34.9
SAPLING AND SEEDLING	26.6			7.9	7.1	11.6
ALL STANDS	194.0	3.1	23.1	49.5	54.1	64.2
	134.0	3.1	23.1	43.3	34.1	04.2
COTTONWOOD						
SAWTIMBER	4.8		1.8	3.0		
POLETIMBER SAPLING AND SEEDLING						
ALL STANDS	4.8		1.8	3.0		
	7.0		1.0	3.0		
MAPLE-BEECH	43.7				22.2	10 5
SAWTIMBER POLETIMBER	41.7 48.1				23.2 23.1	18.5 25.0
SAPLING AND SEEDLING	43.6			.7	9.8	33.1
ALL STANDS	133.4			.7	56.1	76.6
NONSTOCKED 1/	72.5			5.0	7.5	60.0
TOTAL ALL TYPES	2,108.9	3.1	24.9	106.4	318.4	1,656.1
TOTAL ALL TIPES	2,100.9	٥.١	24.3	100.4	310.4	1,000.1

^{1/} See glossary for stand-size classes (page 3).

Table 13.--Area of commercial forest land, by stocking class based on selected stand components, Riverborder, Missouri, 1972

(Thousand acres)

STOCKING PERCENTAGE	: ALL : TREES		OCKING CLA WING-STOCK :DESIRABLE		TERMS OF : ROUGH AND :ROTTEN TREE	:INHIBITING S:VEGETATION
140+	3.3					
130-139	49.0	-				
120-129	152.8	9.2				
110-119	282.6	9.6		3.6		
100-109	4 68. 6	45.0		20.2		
90-99	433.1	107.4		42.6	6.5	
80-89	345.9	127.4		133.8	22.5	
70-79	201.9	278.5		247.5	58.4	
60-69	92.9	303.4	4.8	298.2	191.2	
50-59	43.8	371.8		386.0	297.2	
40-49	22.3	404.0	1.9	443.4	430.3	1.6
30-39	2.0	214.4	9.6	259.1	475.9	. 9
20-29	10.7	141.3	68.9	161.4	334.6	2.0
10-19		71.1	106.8	87.3	232.7	
0-9		25.8	1,916.9	25.8	59.6	2,104.4
TOTAL	2,108.9	2,108.9	2,108.9	2,108.9	2,108.9	2,108.9

Table 14.--Area of commercial forest land, by stocking class of growing-stock trees and stand-size class, Riverborder, Missouri, 1972.

(Thousand acres)

STOCKING PERCENTAGE	: ALL : STANDS	SAWTIMBER P	OLETIMBER STANDS	SAPLING AND SEEDLING STANDS	NONSTOCKED AREAS 1
101 to 133 61 to 100 17 to 60 Less than 17	63.8 816.7 1,155.9 72.5	45.6 383.8 413.3	17.3 307.2 433.8	0.9 125.7 308.8	 72.5
ALL CLASSES	2,108.9	842.7	758.3	435.4	72.5

^{1/} See glossary for stand-size classes (page 3).

Table 15.--Area of noncommercial forest land, by ownership class,
Riverborder, Missouri, 1972
(Thousand acres)

OWNERSHIP CLASS	: ALL : AREAS	: PRODUCTIVE : RESERVED : AREAS	UNPRODUCTIVE AREAS
NATIONAL FOREST OTHER PUBLIC FARMER AND	0.7 16.1	16.1	0.7
MISCELLANEOUS PRIVATE	31.7		31.7
ALL OWNERSHIPS	48.5	16.1	32.4

Table 16.--Area of noncommercial forest land, by forest type, Riverborder, Missouri, 1972 (Thousand acres)

FOREST TYPE	:	ALL	: 1	PRODUCTIVE RESERVED AREAS	UNPRODUCTIVE AREAS
SHORTLEAF PINE-OAK POST-BLACKJACK OAK BLACK-SCARLET OAK WHITE OAK OAK-GUM-CYPRESS ELM-ASH-COTTONWOOD MAPLE-BEECH ALL FOREST TYPES		0.1 35.2 4.9 7.2 .1 .9		0.1 2.8 4.9 7.2 .1 .9	32.4

Table 17.--Number of all live trees on commercial forest land, by species and diameter class, Riverborder, Missouri, 1972 (Thousand trees)

					DIA	DIAMETER C	CLASS (I	(INCHES A	AT BREAST	T HEIGHT)	(L				
SPECIES	CLASSES :	1.0- :	3.0- :	5.0-:	7.0- :	9.0-:	11.0-:	13.0-: 14.9 :	15.0-: 16.9 :	17.0-:	19.0-: 20.9 :	21.0-:	23.0-: 28.9 :	29.0-: 38.9 :	39.0+
SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR	1808 255 60308	463 32618	989	238	81 17 3677	35 1439	28 15 453	9 47 83	32	141	17	20	16		101
TOTAL SOFTWOODS	62371	33081	16119	7104	3775	1474	967	139	74	777	17	20	16	7	. rv
HARDWOODS: SELECT WHITE DAKS	140196	97877	11.57.5	19126	15949	11949	8499	5115	2459	706	522	257	28.R	64	
OTHER WHITE DAKS	00086	31796	25840	17851	11031	6103	2919	1416	541	287	120	38	. S.	1	1
SELECT RED DAKS	18192	5957	2171	1908	2018	1960	1249	1024	732	562	298	141	146	56	-
PED DAKS	74275	33681	13339	9159	6777	5005	2461	1716	863	555	332	178	178	28	3
OTHER RED DAKS	28881	14158	8117	3280	1584	915	369	227	36	100	61	14	10	_	!
HICKORY A	76082	48203	10967	8613	3959	2016	1177	296	336	130	47	27	¢	5	-
HICKORY R	80402	20005	17549	6573	3503	1662	687	526	106	42	19	15	14	ı	
HARD MAPLE	48153	33962	6693	3195	2335	1135	441	509	19	67	19	19	11	1	1
SOFT MAPLE	8421	2665	1094	228	348	281	203	96	57	42	18	6	36	12	1
HEECH	255	:	193	1	1	11	19	7	10	m	m	9	Λ.	7	
SWEETGUM	835	163	192	131	94	98	46	37	48	58	1	1	4	^	1
TUPELO+BLACKGUM	5665	2273	1897	653	334	319	248	62	46	32	~	1 0	α	1	1
ASH	51244	28570	11613	4283	3245	1717	1111	321	196	92	22	34	46	10	-
SYCAMORE	5814	2768	1150	200	319	569	216	228	119	86	92	53	77	9	1
COTTONWOOD	3889	2321	176	293	354	162	156	145	84	81	0 7	17	35	23	ζ.
RIVER BIRCH	1147	250	375	454	16	1	36	1	13	10	œ	1	-	¢	1
YELLOW-POPLAR	122	1	-	9	19	10	22	4	1	1	e	-	!	4	ŀ
BASSWOOD	536	1	767	!	1	!	54	!	13	1	!	!	ľ	1	1
BLACK WALNUT	8496	2681	2361	1421	1327	782	406	386	198	S	88	1	:	!	1
BLACK CHERRY	4634	1931	2012	286	144	100	49	7.0	54	•	1	1		1	1
ELM	91781	65213	15435	5978	2783	1191	605	146	171	114	20	50	37	21	α
OTHER HARDWOODS	161181	119057	26282	7175	3738	2154	1241	166	435	153	16	64	54	-	1
NONCOMMERCIAL SPP.	26446	50954	4933	393	166	1	1	1	1	1	:	1	1		
TOTAL HARDWOODS	690996	547786	180114	91530	26665	37827	22253	12797	5099	3340	1724	968	166	196	15
ALL SPECTES	1028440	580867	196233	98634	63770	39301	22749	12936	6299	3384	1741	916	1007	203	20

Table 18.--Number of growing-stock trees on commercial forest land, by species and diameter class, Riverborder, Missouri, 1972 (Thousand trees)

					010	OIAMETER (CLASS (I	(INCHES A	AT BREAST	3T HE16HT)	11)				
SPECIES	CLASSES :	1.0- :	3.0- :	5.0- :	7.0- :	9.0-:	11.0-:	13.0-:	15.0-:	17.0-:	19.0-:	21.0-:	23.0-:	29.0-:	39.0
SOFTWOODS: SHORTLEAF PINE CYPRESS FASTERN REDCEDAR	1808 171 45748	463	989	238	91	1 - 00	28	31	288	188	171	18	151	-	
TOTAL SOFTWOODS	T5774		13880	4788	2550	406	253	105	48	38	17	1.8	13	7	
HAROROOOS				100											
SELECT WHITE DAKS	84846	20877	18070	11566	11741	8739	7101	3829	1737	661	289	121	9.8	17	i
OTHER WHITE OAKS	50419		15339	11875	8038	3788	1540	752	529	135	43	54	12	1	1
SELECT RED OAKS	R993	593	2025	1247	1344	1228	747	680	505	362	106	80	77	^	i
RED DAKS	66965	20001	10024	7138	5187	3645	1472	1050	504	316	196	74	18	11	i
OTHER RED OAKS	13157	6884	3381	1520	854	227	146	77	1	29	52	9	^	-	I
HICKORY A	38845	19490	7819	2925	2783	1297	806	206	199	115	35	19	47	S	Ī
HICKORY R	30367	13745	8196	3916	2398	1306	914	183	77	32	19	7	12	1	1
HARD MAPLE	21155	13543	3642	1827	1078	199	295	78	14	11	1	i I		-	Ī
SOFT MAPLE	4140	2973	557	16	151	105	137	45	51	19	11	9	σ	-	i
HEECH	202	1	192	-	-	-	-	-	10	1		-	-	-	T
SWEFTGUM	663	163	192	85	52	57	9	10	84	22	-	-	-	-	I
TUPEL0+BLACKGUM	3496	1284	1212	351	199	237	77	45	7.0	19			٨	ł	i
ASH	16692	8013	5959	2180	1560	776	632	509	96	39	6	16	31	ç	1
SYCAMORE	4309	1617	1151	371	230	239	197	196	75	86	44	53	777	9	i
COTTONWOOO	2455	1084	176	176	319	161	135	145	69	82	33	18	35	19	,
RIVER RIRCH	982	250	375	568	16	1	21	1	13	10	!	1		3	i
YELLOW-POPLAR	86	-	-	23	19	10	22	4	1		77	1	1	7	1
BASSWOOO	532	-	495	-	1	1	54	1	13	1	1	1	-	1	İ
BLACK WALNUT	4022	450	1107	205	266	336	254	225	115	17	19	1	-	1	i
BLACK CHERRY	751	-	476	166	1		45	51	13	1	-		-	1	i
FLM	52904	12718	5594	5464	950	668	364	84	47	30	6	-	ç	ı,	_
OTHER HAROWOODS	38848	96622	8163	5962	1556	1307	892	578	240	68	38	13	1.1	-	
TOTAL HAROWOOOS	397563	155325	91145	54509	39445	24961	15443	8678	4120	2112	880	437	425	79	7
ALL SPECIES	445290	180426	105025	59297	41995	25868	15696	8783	4168	2150	897	455	43K	86	

Table 19.—-Number of short-log trees on commercial forest land, by species and diameter class, Riverborder, Missouri, 1972 (Thousand trees)

	-			DIAMETER (CLASS (INCHES	CHES AT	HREASI F	HE IGHT)			
SPECIES	ALL CLASSES	9.0- :	11.0- :	13.0- :	15.0- : 1 16.9 : 1	17.0- : 1 18.9 : 2	19.0- : 2	21.0- : 2	23.0- : 2	29.0- : 38.9 : 3	39.0+
SOFTWOODS: CYPRESS	55	19	1 0		1.5		1	~	e l	1 1	; ;
EASTERN REDCEDAR	H I 4	305	103	-	13		: -				
TOTAL SOFTWOODS	244	321	103		13	-	-	5	3	-	-
. WOOOM .											
SELECT WHITE DAKS	1	1	415	425	242	59	59	45	25	4	1
OTHER WHITE DAKS		!	324	139	47	50	<u> </u>		1		1
SELECT RED DAKS	223	1	54	75	15	1	56	17	56	10	'
RED OAKS	471	ł	182	147	46	30	17	14	6	S	-
OTHER RED DAKS	147	!	7.1	58	1	12	¦	1	9		1
HICKORY A	239	-	120	40	77	2		1	!		1
HICKORY B	158	!	121	36		1		;	!	-	1
HARD MAPLE	23	!	-	1	12	!	11	-	!	-	1
SOFT MAPLE	29	1	52	15	!	œ	9	!	ഹ	I	!
TUPEL0+BLACKGUM	109	-	109	1	1	!	1				!
ASH	181	!	132	32	-	10	4	e		1	1
SYCAMORE	23	1	1	1	14	!	6	!		'	1
COTTONWOOD	6 0			1	1	!	7	!	ì	-	1
BLACK WALNUT	148	!	54	68	26		ł	l		1	1
BLACK CHERRY	18	1	1	18	-		1	1		1	1
ELM	138	1	20	52	17	20	9	S	10	4	_
OTHER HARDWOODS	7.1	-	11	59	2	12	9	7	e e	-	:
TOTAL HARDWOODS		-	1638	1107	568	203	151	91	81	56	2
ALL SPECTES	4309	321	1741	1107	581	203	151	93	84	56	2
		-									

Table 20.-Net volume of growing stock and sawtimber on commercial forest land, by species, Riverborder, Missouri, 1959 and 1972

SPECIES	: GROW:	: 1972	: 195917	IMBER : 1972
SOFTWOODS: SHORTLEAF PINE	MILLION CU	1.3		DARD FEET2/
CYPRESS EASTERN REDCEDAR	13.2	7.4	61.4	34.4 58.2
TOTAL SOFTWOODS	27.5	39.7	72,5	94.2
HARDWOODS: SELECT WHITE OAKS OTHER WHITE OAKS SELECT RED OAKS RED OAKS OTHER RED OAKS HICKORY A HICKORY B HARD MAPLE SOFT MAPLE BEECH SWEETGUM TUPELO AND BLACKGUM ASH SYCAMORE COTTONWOOD RIVER BIRCH YELLOW-POPLAR BASSWOOD BLACK WALNUT BLACK CHERRY ELM OTHER HARDWOODS	536.8 109.8 123.9 143.3 27.0 67.4 41.1 25.3 12.1 .4 6.8 7.4 52.2 19.7 10.7 .5 .2 11.0 35.5 73.5	461.2 139.9 94.5 163.3 15.3 77.1 50.1 23.1 11.1 .3 4.5 8.7 45.1 34.1 33.6 2.5 1.6 2.5 1.6 2.6 2.6 576.5	1,436.7 143.3 527.4 411.2 108.4 169.1 63.1 31.7 25.9 1.6 25.6 21.9 86.2 90.3 52.7 1.0 64.8 2.3 71.3 171.6	217.6 366.6 436.5 41.3 192.4 87.6 23.8 38.0 1.3 19.1 24.4 88.7 134.4 159.7 9.8 4.6 3.5 51.7 8.8 42.0 232.5
TOTAL HARDWOODS	1,311.5	1,294.1	3,486.7 3,559.2	3,546,9

^{1/} FIGURES HAVE BEEN ADJUSTED FROM THOSE PUBLISHED PREVIOUSLY FOR 1959 TO CONFORM TO 1972 VOLUMES BECAUSE OF CHANGES IN SURVEY DEFINITIONS AND PROCEDURES.

2/ INTERNATIONAL 1/4-INCH RULE.

Table 21.--Net volume on commercial forest land for Missouri's Riverborder Survey Unit and for individual counties within Unit, by species and kind of material, 1972

ALL COUNTIES Growing stock Sawtimber :In sawtimber: Other :rotten trees :Poletimber:Sawtimber: Total Species Tota1 : trees : trees : : stands :stands : Million board feet1/ Thousand cords Thousand cords Softwoods: 16.5 9.9 6.6 1.6 0.6 1.0 Shortleaf pine 93.3 1.0 34.4 31.7 2.7 39.7 94.3 Cypress 248.3 144.4 58.2 21.6 36.6 164.4 392.7 Eastern redcedar 259.2 244.3 94.2 53.9 40.3 204.1 Total softwoods 503.5 Hardwoods: 2,170.4 3,669.1 1,362.6 1,052.2 310.4 1,492.2 5,839.5 310.4 109.4 Select white oaks 1,771.1 567.0 217.6 108.2 759.1 1,204.1 Other white oaks 1,197.4 299.5 67.1 370.1 271.4 926.0 366.6 Select red oaks 436.5 295.3 141.2 583.5 2,067.1 935.0 1,132.1 Red oaks 18.7 205.4 91.3 41.3 22.6 101.8 Other red oaks 193.1 277.1 192.4 151.6 40.8 Hickory A 975.7 485.4 490.3 87.6 Hickory B 633.1 400.0 233.1 65.3 11.2 22.3 168.3 207.3 83.3 23.8 12.6 204.0 Hard maple 290.6 38.0 141.1 38.4 102.7 38.0 --74.8 Soft maple 3.7 43.9 13.6 3.7 57.4 1.3 1.3 Beech 19.1 13.5 15.3 3.8 21.6 Sweetgum 58.0 24.4 267.2 88.7 361.6 134.4 21.5 112.4 57.3 2.9 Tupelo and blackgum 54.4 15.1 274.3 571.1 303.9 73.6 117.9 430.4 16.5 68.8 33.0 Sycamore 159.7 152.8 6.9 32.9 426.3 50.4 375.9 Cottonwood 22.4 9.8 9.8 9.5 11.9 River birch 31.9 4.6 1.3 4.0 2.8 3.5 1.8 16.1 Yellow-poplar 20.1 1.3 8.5 8.5 3.5 Basswood 13.9 37.8 128.0 156.1 51.7 275.7 119.6 Black walnut 6.6 25.6 8.8 5.7 3.1 25.8 Black cherry 32.2 334.1 202.0 132.1 42.0 35.0 7.0 353.3 E1m 184.5 48.0 383.2 967.9 354.0 613.9 232.5 Other hardwoods 10.4 Noncommercial species Total hardwoods 16,380.4 7,000.5 9,379.9 3,546.9 2,705.4 841.5 5.482.4 2,759.3 881.8 5,686.5 All species 16,883.9 7.259.7 9.624.2 3.641.1 BOONE COUNTY Softwoods: .1 Shortleaf pine . 3 13.3 2.9 1.0 1.9 8.7 Eastern redcedar 20.7 7.4 7.7 3.0 2.0 8.7 Total softwoods 21.0 13.3 1.0 Hardwoods: 171.8 64.0 47.6 10.9 5.0 17.1 13.6 105.1 75.7 Select white oaks 276.9 16.4 5.9 41.7 Other white oaks 94.1 65.5 28.6 3.5 18.5 13.2 43.6 Select red oaks 56.8 19.3 30.7 Red oaks 98.5 47.9 50.6 12.2 7.1 Other red oaks 9.5 5.4 4.1 1.8 . 8 1.0 10.8 8.2 3.8 1.2 6.2 2.8 .5 45.2 23.8 Hickory A 21.4 2.0 14.2 10.2 9.3 Hickory B 29.5 19.3 1.0 14.6 10.3 ..2 ..7 ..7 ..5 4.0 7.1 7.7 . 7 10.8 Hard maple .5 .6 .5 3.3 6.2 7.5 • 5 2.3 1.8 2.3 Soft maple --.1 .2 1.6 Sweetgum Tupelo and blackgum 2.6 1.3 1.3 --14.1 26.9 14.8 12.1 . 7 Ash 19.2 3.8 2.0 Sycamore 23.0 .9 .2 2.0 Cottonwood 20.8 3.3 17.5 . 8 . 4 .8 River birch 1.2 .1 .2 2.1 .1 .2 2.9 .5 .4 . 4 --Yellow-poplar --.1 Basswood . 5 . 5 .8 8.7 6.9 Black walnut 15.1 6.4 Black cherry 1.7 . 3 1.4 . 3 . 2 1.4 1.7 E1m 1.9 16.2 9.7 6.5 .2 18.7 Other hardwoods 35.0 13.8 21.2 8.5 2.1 17.9 Noncommercial species 427.6 161.5 118.7 42.8 279.1 772.4 344.8 Total hardwoods 793.4 358.1 435.3 164.5 119.7 44.8 287.8 All species

1/ International 1/4-inch rule.

			LLAWAY COUNT	Y			·
Species	:	Frowing stoo	r:Sawtimber:		Sawtimber :In sawtimbe	· Osbor	Rough and
Species	Total		: trees :	Total	: stands	:stands:	rotten tree
	-	Thousand co	rds	Mil	llion board f	ee t 1/	Thousand
	-						cords
Softwoods: Shortleaf pine	. 3		. 3	.1		.1	
Eastern redcedar	30.6	19.9	10.7	4.3	1.6	2.7	12.5
Total softwoods	30.9	19.9	11.0	4.4	1.6	2.8	12.5
lardwoods: Select white oaks	469.6	180.9	288.7	107.6	79.1	28.5	126.1
Other white oaks	162.6	114.5	48.1	18.4	8.0	10.4	69.9
Select red oaks	96.1	22.9	73.2	28.9	22.9	6.0	30.5
Red oaks	167.0	81.2	85.8	32.7	20.8	11.9	51.1
Other red daks	16.3	9.3	7.0	3.2	1.4	1.8	18.0
Hickory A	76.2	40.4	35.8 16.6	13.7	10.3	3.4 1.7	23.7
Hickory B Hard maple	49.9 24.0	33.3 17.1	6.9	2.0	.9	1.1	17.6
Soft maple	3.5	.8	2.7	1.1	1.1	1.1	3.0
Sweetgum	1.8		1.8	.7	. 6	.1	. 2
Tupelo and blackgum	4.4	2.1	2.3	.9	. 9		.9
Ash	44.6	24.8	19.8	6.5	5.2	1.3	22.1
Sycamore	34.1	5.5	28.6	10.5	9.2	1.3	3.0
Cottonwood River birch	27.8 1.6	3.9	23.9	10.3	10.1	.2	2.2 1.2
Yellow-poplar	.7		.7	.1	.1		1.2
Basswood	.7		.7	.3	.3		.1
Black walnut	24.2	10.5	13.7	4.5	3.3	1.2	11.3
Black cherry	2.6	. 5	2.1	. 7	. 4	. 3	2.1
Elm	25.4	15.5	9.9	2.9	2.6	. 3	28.5
Other hardwoods	42.1	15.8	26.3	10.5	9.0	1.5	26.0
Noncommercial species							. 7
Total hardwoods	1.275.2	579.6	695.6	262.1	191.1	71.0	452.7
All species	1,306.1	599.5	706.6	266.5	192.7	73.8	465.2
		CADE	GIRARDEAU CO	INTV			
		CALE	GIRARDERO CO	70111			
Softwoods:							
Shortleaf pine	.2						
	* 4		. 2	.1		.1	_
Eastern redcedar	15.5	9.6	.2 5.9	.1 2.4	1.2	.1 1.2	_ 7.1
Eastern redcedar	15.5		5.9	2.4		1.2	
		9.6			1.2		7.1
Eastern redcedar Total softwoods	15.5		5.9	2.4		1.2	
Eastern redcedar Total softwoods Hardwoods: Select white oaks	15.5	9.6	5.9	2.4	55.3	1.2	7.1
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks	15.5 15.7 286.0 72.2	9.6 100.4 48.7	5.9 6.1 185.6 23.5	2.4 ,2.5 ,68.1 9.0	55.3 5.1	1.2 1.3 12.8 3.9	7.1 61.3 29.6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks	15.5 15.7 286.0 72.2 51.7	9.6 100.4 48.7 10.9	5.9 6.1 185.6 23.5 40.8	2.4 2.5 68.1 9.0 15.7	55.3 5.1 13.0	1.2 1.3 12.8 3.9 2.7	7.1 61.3 29.6 15.4
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks	15.5 15.7 286.0 72.2 51.7 81.7	100.4 48.7 10.9 36.0	5.9 6.1 185.6 23.5 40.8 45.7	2.4 2.5 68.1 9.0 15.7 17.3	55.3 5.1 13.0 12.2	1.2 1.3 12.8 3.9 2.7 5.1	7.1 61.3 29.6 15.4 23.6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks	15.5 15.7 286.0 72.2 51.7	9.6 100.4 48.7 10.9 36.0 4.0 20.3	5.9 6.1 185.6 23.5 40.8 45.7 3.6	2.4 2.5 68.1 9.0 15.7	55.3 5.1 13.0 12.2 1.0	1.2 1.3 12.8 3.9 2.7 5.1 .7	7.1 61.3 29.6 15.4 23.6 7.8
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks	286.0 72.2 51.7 81.7 7.6	9.6 100.4 48.7 10.9 36.0 4.0 20.3	5.9 6.1 185.6 23.5 40.8 45.7	2.4 2.5 68.1 9.0 15.7 17.3 1.7	55.3 5.1 13.0 12.2	1.2 1.3 12.8 3.9 2.7 5.1	7.1 61.3 29.6 15.4 23.6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5	9,6 100,4 48.7 10.9 36.0 4.0	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9	55.3 5.1 13.0 12.2 1.0 6.4	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5	7.1 61.3 29.6 15.4 23.6 7.8 11.1
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9	100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6	7,1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 1.3 1.9 24.5	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 .2 .5
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 .6 .7	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 .2 .5 11.8 1.6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 1.3 1.9 24.5 19.3	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 .2 .5
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore Cottonwood River birch Yellow-poplar	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 24.5 19.3 18.1 1.1	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0 3.1	5.9 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3 15.0 .7	2.4 2.5 68.1 9.0 15.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0 6.6	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3 6.4	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 	7,1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 2.0 .2 .5 11.8 1.6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore Cottonwood River birch Yellow-poplar Basswood	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 1.3 1.9 24.5 19.3 18.1 1.1	9,6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0 3.1 .4	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3 15.0 .7 .4	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0 6.6 .3 .1 .2	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3 6.4 .3	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 .6 .7 .2 	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 .2 .5 11.8 1.6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore Cottonwood River birch Yellow-poplar Basswood Black walnut	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 1.3 1.9 24.5 19.3 18.1 1.1	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0 3.1 .4 .5	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3 15.0 .7 .4 7.5	2.4 2.5 68.1 9.0 15.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0 6.6 .3 .1 .2 2.5	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3 6.4 .3 .1 .2 2.0	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 	7,1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 2.0 .2 .5 11.8 1.6 1.7 .6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore Cottonwood River birch Yellow-poplar Basswood Black walnut Black cherry	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 1.3 1.9 24.5 19.3 18.1 1.1	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0 3.1 .4 .5	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3 15.0 .7 .4 .4 7.5 1.3	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0 6.6 .3 .1 .2 2.5 .5	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3 6.4 .3 .1 .2 2.0 .3	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 .6 .7 .7 .6	7,1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 2.0 .2 .5 11.8 1.6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore Cottonwood River birch Yellow-poplar Basswood Black walnut Black cherry Elm	15.5 15.7 286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 24.5 19.3 18.1 1.1 .4 .4 12.8 1.7 13.8	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0 3.1 .4 .5 .3	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3 15.0 .7 .4 .4 7.5 1.3 5.3	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0 6.6 .3 .1 .2 2.5 1.6	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3 6.4 .3 .1 .2 2.0 .3	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 .6 .7 .2 .5 .2 .2	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 .2 .5 11.8 1.6 1.7 .6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore Cottonwood River birch Yellow-poplar Basswood Black walnut Black cherry	286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 1.3 1.9 24.5 19.3 18.1 1.1	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0 3.1 .4 .5	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3 15.0 .7 .4 .4 7.5 1.3	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0 6.6 .3 .1 .2 2.5 .5	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3 6.4 .3 .1 .2 2.0 .3	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 .6 .7 .7 .6	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 2.0 .2 .5 11.8 1.6 1.7 .6
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore Cottonwood River birch Yellow-poplar Basswood Black walnut Black cherry Elm Other hardwoods	15.5 15.7 286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 24.5 19.3 18.1 1.1 .4 .4 12.8 1.7 13.8	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0 3.1 .4 .5.3 .4 8.5 8.7	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3 15.0 .7 .4 .4 7.5 1.3 5.3 15.9	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0 6.6 .3 .1 .2 2.5 1.6	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3 6.4 .3 .1 .2 2.0 .3 1.4	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 .6 .7 .2 .5 .2 .2 .8	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 .2 .5 11.8 1.6 1.7 .6 1.7 .6 1.1 1.4 6.7
Eastern redcedar Total softwoods Hardwoods: Select white oaks Other white oaks Select red oaks Red oaks Other red oaks Hickory A Hickory B Hard maple Soft maple Sweetgum Tupelo and blackgum Ash Sycamore Cottonwood River birch Yellow-poplar Basswood Black walnut Black cherry Elm Other hardwoods	15.5 15.7 286.0 72.2 51.7 81.7 7.6 40.8 25.8 14.5 1.9 24.5 19.3 18.1 1.1 .4 .4 12.8 1.7 13.8	9.6 100.4 48.7 10.9 36.0 4.0 20.3 16.1 10.6 .4 .9 12.3 3.0 3.1 .4 .5.3 .4 8.5 8.7	5.9 6.1 185.6 23.5 40.8 45.7 3.6 20.5 9.7 3.9 1.5 1.3 1.0 12.2 16.3 15.0 .7 .4 7.5 1.3 5.3 15.9	2.4 2.5 68.1 9.0 15.7 17.3 1.7 7.9 3.6 1.1 .6 .5 .4 4.0 6.0 6.6 .3 .1 .2 2.5 1.6	55.3 5.1 13.0 12.2 1.0 6.4 2.9 .5 .6 .5 .4 3.4 5.3 6.4 .3 .1 .2 2.0 .3 1.4	1.2 1.3 12.8 3.9 2.7 5.1 .7 1.5 .7 .6 .6 .7 .2 .5 .2 .2 .8	7.1 61.3 29.6 15.4 23.6 7.8 11.1 6.7 9.0 2.0 .2 .5 11.8 1.6 1.7 .6 1.7 .6 1.1 1.4 6.7

1/ International 1/4-inch rule.

(Table 21 cont.) COLE COUNTY

(Table 21 cont.)	: 0	rowing stock	COLE COU	:	Sawtimber		:
Species		Poletimber : trees :	Sawtimber trees	Total		: Other : stands	Rough and rotten tree
		Thousand cords		Mi1	lion board fe	et1/	Thousand cord
Softwoods:							
Shortleaf pine	0.1		0.1				
Eastern redcedar	17.1	10.6	6.5	2.6	0.6	2.0	8.3
-		10.6	6 6	2.6	.6	2.0	8,3
Total softwoods	17.2	10.0	6.6	2.6	• 0	2.0	8.3
Hardwoods: Select white oaks	186.7	71.7	115.0	42.7	31.4	11.3	54.2
Other white oaks	69.1	48.2	20.9	7.9	3.2	4.7	31.1
Select red oaks	38.7	9.3	29.4	11.5	9.1	2.4	13.2
Red oaks	68.5	33.7	34.8	13.2	7.9	5.3	21.4
Other red oaks	6.5	3.8	2.7	1.2	.5	.7	7.9
	30.6	16.5	14.1	5.4	4.0	1.4	10.4
Hickory A	20.0	13.4	6.6	2.4	1.7	.7	6.7
Hickory B	9.3	6.6	2.7	.8	.3	.5	7.1
Hard maple			.9	.4	. 4		
Soft maple	1.2 .8	.3	.8	.3	.2	.1	1.1
Sweetgum		.9	.9	. 4		• 1	
Tupelo and blackgum	1.8 16.3	9.0	7.3	2.4	2.0	. 4	.4 9.4
Ash	13.0	2.5	10.5	3.9	3.1	. 4	1.1
Sycamore	9.5	1.6	7.9	3.4	3.3	.1	.9
Cottonwood			.3	.2	.2	•1	
River birch	• 5	.2	.3	.1	.1		. 4
Yellow-poplar	.3						
Basswood	.3		.3	.1	.1	- -	
Black walnut	9.5	4.3	5.2	1.7	1.2	.5	4.9
Black cherry	1.1	. 2	.9	.3	. 2	.1	.9
E1m	9.8	6.1	3.7	1.1	1.0	.1	11.8
Other hardwoods Noncommercial species	24.3	11.3	13.0	5.2	2.9	2.3	11.0
Total hardwoods	517.8	239.6	278.2	104.6	73.2	31.4	194.3
=							202 (
All species	535.0	250.2	284.8	107.2	73.8	33.4	202.6
			DUNKLIN CO	UNTY			
Softwoods:							
Cypress	24.1	0.2	23.9	8.7	8.3	0.4	7.3
Total softwoods	24.1	. 2	23.9	8.7	8.3	. 4	7.3
Hardwoods:							
Select white oaks	16.1	7.0	9.1	3.5	3.2	.3	8.2
Other white oaks	3.1	1.5	1.6	.7	. 4	.3	2.6
Select red oaks	10.1	2.7	7.4	3.7	3.6	.1	4.3
Red oaks	21.5	6.8	14.7	6.3	5.2	1.1	1,8
Other red oaks	3.5	.7	2.8	1.2	.9	.3	1.9
Hickory A	14.3	4.1	10.2	4.6	4.0	. 6	2.5
Hickory B	4.4	2.2	2.2	.9	.6	.3	. 4
Hard maple	. 2	.1	.1				. 4
Soft maple	20.1	5.8	14.3	5.1	5.1		7.2
Beech	.1		.1				. 7
Sweetgum	5.8	2.4	3.4	1.7	1.5	. 2	5.2
Tupelo and blackgum	11.3	4.2	7.1	3.2	2.8	. 4	10.8
Ash	14.9	8.6	6.3	2.2	1.9	.3	4.6
Sycamore	10.1	1.0	9.1	3.9	3.7	. 2	.1
Cottonwood	18.5	.3	18.2	7.4	6.4	1.0	.8
River birch	2.3	. 8	1.5	. 7	. 7		
Yellow-poplar	. 5	.1	. 4	. 2		. 2	
Black walnut	. 7	. 2	.5	. 2		. 2	
Black cherry							.1
Elm	7.1	4.1	3.0	1.2	. 8	. 4	6.1
Other hardwoods Noncommercial species	81.1	25.6	55.5 	19.8	16.7	3.1	17.6 .2
							
Total hardwoods	245.7	78.2	167.5	66.5	57.5	9.0	75.5
	269.8	78.4	191.4		65.8	9.4	82.8

 $[\]underline{1}$ / International 1/4-inch rule.

Softwoods: Shortleaf pine	Species	Total	Growing stock : Poletimber : : trees :	Sawtimber	Total	Sawtimber : In sawtimber : stands	: Other : stands	Rough and rotten trees
Shortleaf pine			Thousand cord	.9	Mi	llion board fee	<u>t</u> 1/	Thousand cord
Total softwoods	Softwoods:							
Sastern redecedar 50.1 31.5 18.6 7.6 3.2 1.4	Shortleaf pine	4.0	2.1	1.9	.4	• 3	.1	
Bardwoods: Scheet white oaks	Eastern redcedar	50.1	31.5	18.6	7.6		4.4	20.8
Bardwoods: Scheet white oaks	Total softwoods	54.1	33.6	20.5	8.0	3.5	4.5	20.8
Select white oaks	Hardwoods:							
Other white caks 197.7 131.1 66.6 25.5 1h.3 11.2 Red caks 232.6 101.6 131.0 hp.9 35.3 1h.6 Other red caks 20.5 11.0 9.5 h.h 26.0 18.6 Hickory A 110.0 54.7 55.3 21.3 17.3 h.0 Hickory B 71.0 h3.9 27.1 10.0 7.9 2.1 Hard maple 37.7 27.2 10.5 3.0 1.h 1.6 Soft maple 3.7 8 2.9 1.1 1.1 Sweamore 42.6 2.6 1.0 .8 2.2 Tupelo and blackgum 6.5 2.7 3.8 1.5 1.5 Ash 6.5 2.7 3.8 1.5 1.5 Sycamore 42.5 6.7 35.8 13.1 1.1 1.7 25.3 11.0 10.8 2.2 1.8		761 8	271. 0	1.86 0	170 5	11.2 0	26 E	176.2
Select red cakes								81.7
Red oaks								43.9
Other red oaks 20.5 11.0 9.5 4.1 2.6 1.8 Bickory A 110.0 51.7 55.3 21.3 17.3 4.0 Bickory B 71.0 43.9 27.1 10.0 7.9 2.1 Biard maple 37.7 27.2 10.5 3.0 1.4 1.6 Soft maple 3.7 8 2.9 1.1 1.1								67.5
Hickory A								22.2
Hickory B								30.6
Sard maple 37.7 27.2 10.5 3.0 1.1 1.6 Soft maple 3.7 8 2.9 1.1 1.1								19.3
Soft maple 3.7								24.8
See trum								
Tupelo and blackgum 6.5 2.7 3.8 1.5 1.5								4.1
Ash Sycamore								.2
Sycamore	_							1.5
Cottonwood 30.0								29.8
River birch 3.1	· ·							3.4
Yellow-poplar								2.7
Basswood								1.4
Black walnut 32.1 13.9 18.2 5.9 1.4 1.5								
Black cherry								.1
Elm								15.1
Other hardwoods 56.4 23.7 32.7 12.9 10.2 2.7								3.0
Noncommercial species								35.4
Total hardwoods 1,853.7 781.6 1,072.1 400.7 712.4 88.3 All species 1,907.8 815.2 1,092.6 408.7 315.9 92.8 CASCONADE COUNTY			-		12.9		2.7	34.0
Casconade County Softwoods: Shortleaf pine .2 .2 .1 .1 .1 .6 .2 .5 .5 .5 .5 .5 .5 .5	Noncommercial species							•9
Casconade County Softwoods: Shortleaf pine .2 .2 .1 .1 .1 .6 .2 .5 .5 .5 .5 .5 .5 .5	Total hardwoods	1,853.7	781.6	1,072.1	400.7	312.4	88.3	527.8
Softwoods: Shortleaf pine Eastern redcedar 28.9 18.6 10.3 4.1 1.6 2.5 Total softwoods 27.1 18.6 10.5 4.2 1.6 2.6 Hardwoods: Select white oaks 155.3 179.0 296.3 109.5 83.4 26.1 0ther white oaks 156.9 109.6 47.3 18.0 8.3 9.7 Select red oaks 155.8 73.7 82.1 31.1 20.7 10.4 0ther red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory A 71.8 37.4 34.4 16.1 6.0 1.4 1.6 Hard maple 22.7 16.4 6.3 1.8 8 1.0 Soft maple 20.0 5 1.7 Tupelo and blackgum 1.7 1.7 7.6 6.1 Tupelo and blackgum 4.0 1.7 2.3 3.9 .9 Ash 30.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 1.6 1.7 2.0 1.8 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0	All species	1,907.8	815.2	1,092.6	408.7	315.9	92.8	618.6
Shortleaf pine				GASCONADE C	OUNTY			
Shortleaf pine	Softwoods:							
Eastern redcedar 28.9 18.6 10.3 4.1 1.6 2.5 Total softwoods 29.1 18.6 10.5 4.2 1.6 2.6 Hardwoods: Select white oaks 147.3 179.0 296.3 109.5 83.4 26.1 Other white oaks 156.9 109.6 47.3 18.0 8.3 9.7 Select red oaks 156.9 109.6 47.3 18.0 8.3 9.7 Select red oaks 155.8 73.7 82.1 31.1 20.7 10.4 Other red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory B 14.75 31.4 34.4 13.2 10.1 3.1 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo a		.2		.2	.1		.1	~-
Total softwoods 29.1 18.6 10.5 4.2 1.6 2.6 Hardwoods: Select white oaks 475.3 179.0 296.3 109.5 83.4 26.1 Other white oaks 156.9 109.6 47.3 18.0 8.3 9.7 Select red oaks 93.1 21.4 71.7 27.9 22.2 5.7 Red oaks 155.8 73.7 82.1 31.1 20.7 10.4 Other red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory A 71.8 37.4 34.4 13.2 10.1 3.1 Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 205 1.5 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .77 .1 .1 Basswood .55 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Elm 20.0 13.1 6.9 2.1 1.8								10.0
Hardwoods: Select white oaks					4.1			
Select white oaks 475.3 179.0 296.3 109.5 83.4 26.1 Other white oaks 156.9 109.6 47.3 18.0 8.3 9.7 Select red oaks 93.1 21.4 71.7 27.9 22.2 5.7 Red oaks 155.8 73.7 82.1 31.1 20.7 10.4 Other red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory A 71.8 37.4 34.4 13.2 10.1 3.1 Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0	Total softwoods	29.1	18.6	10.5	4.2	1.6	2.6	10.0
Select white oaks 475.3 179.0 296.3 109.5 83.4 26.1 Other white oaks 156.9 109.6 47.3 18.0 8.3 9.7 Select red oaks 93.1 21.4 71.7 27.9 22.2 5.7 Red oaks 155.8 73.7 82.1 31.1 20.7 10.4 Other red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory A 71.8 37.4 34.4 13.2 10.1 3.1 Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0	Hardwoods:							
Other white oaks 156.9 109.6 47.3 18.0 8.3 9.7 Select red oaks 93.1 21.4 71.7 27.9 22.2 5.7 Red oaks 155.8 73.7 82.1 31.1 20.7 10.4 Other red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory A 71.8 37.4 34.4 13.2 10.1 3.1 Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 <t< td=""><td></td><td>1,75.3</td><td>179.0</td><td>296.3</td><td>109.5</td><td>83.4</td><td>26.1</td><td>118.2</td></t<>		1,75.3	179.0	296.3	109.5	83.4	26.1	118.2
Select red oaks 93.1 21.4 71.7 27.9 22.2 5.7 Red oaks 155.8 73.7 82.1 31.1 20.7 10.4 Other red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory A 71.8 37.4 34.4 13.2 10.1 3.1 Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7						8.3		64.9
Red oaks 155.8 73.7 82.1 31.1 20.7 10.4 Other red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory A 71.8 37.4 34.4 13.2 10.1 3.1 Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 Swetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .7 .7 .1								28.6
Other red oaks 14.4 8.0 6.4 2.9 1.4 1.5 Hickory A 71.8 37.4 34.4 13.2 10.1 3.1 Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .7 .7 .1 .1								45.9
Hickory A 71.8 37.4 34.4 13.2 10.1 3.1 Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .77 .1 .1 .1 Basswood .57 .1 .1 .1 Basswood .55 .2 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								15.7
Hickory B 47.5 31.4 16.1 6.0 4.4 1.6 Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 .5 Yellow-poplar .77 .1 .1 .1 Basswood .55 .2 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Elack cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								21.7
Hard maple 22.7 16.4 6.3 1.8 .8 1.0 Soft maple 2.0 .5 1.5 .6 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 .5 Yellow-poplar .77 .1 .1 .1 Basswood .57 .1 .1 .1 Basswood .55 .2 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6								13.3
Soft maple 2.0 .5 1.5 .6 .6 Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .7 .7 .1 .1 Basswood .5 .5 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8<								15.8
Sweetgum 1.7 1.7 .7 .6 .1 Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .7 .7 .1 .1 Basswood .5 .5 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								2.4
Tupelo and blackgum 4.0 1.7 2.3 .9 .9 Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .77 .1 .1 .1 Basswood .55 .2 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8	-							.2
Ash 38.0 20.0 18.0 5.9 4.9 1.0 Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 .5 Yellow-poplar .77 .1 .1 .1 Basswood .55 .2 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								•9
Sycamore 24.0 4.0 20.0 7.2 6.2 1.0 Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .7 .7 .1 .1 Basswood .5 .5 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8							1.0	19.5
Cottonwood 15.1 2.0 13.1 5.7 5.6 .1 River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .7 .7 .1 .1 Basswood .5 .5 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								1.9
River birch 1.6 .3 1.3 .5 .5 Yellow-poplar .77 .1 .1 Basswood .55 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								1.6
Yellow-poplar .7 .7 .1 .1 Basswood .5 .5 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								•7
Basswood .5 .5 .2 .2 Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								
Black walnut 19.9 9.1 10.8 3.4 2.5 .9 Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								.1
Black cherry 2.6 .6 2.0 .7 .5 .2 Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								10.6
Elm 20.0 13.1 6.9 2.1 1.8 .3 Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								1.7
Other hardwoods 33.3 14.7 18.6 7.4 5.6 1.8								22.4
			7					20.9
						_		.8
Total hardwoods 1,200.9 542.9 658.0 245.8 181.3 64.5	_	1,200.9	542.9		245.8	181.3		407.8
								417.8

^{1/} International 1/4-inch rule.

HOWARD COUNTY

(Table 21 cont.)			HOWARD COUNT	ГҮ			
		rowing stock			Sawtimber		Rough and
Species	Total 1	Poletimber:		Total	: In sawtimber :		notton troop
	: :	trees :		752		stands	<u>:</u>
	<u>T1</u>	nousand cord	<u>S</u>	<u>M1.</u>	llion board feet	<u></u> /	Thousand cords
Softwoods:	0		0	-		,	
Shortleaf pine	.2	8.4	.2 4.7	.1 1.9	 •5	.1	5 . 8
Eastern redcedar	13.1	0.4	4.1	1.7	• >	1.4	7.0
Total softwoods	13.3	8.4	4.9	2.0	.5	1.5	5.8
Hardwoods:							
Select white oaks	149.3	55.6	93.7	34.9	26.3	8.6	42.1
Other white oaks	46.9	32.0	14.9	5.7	2.7	3.0	21.7
Select red oaks	31.4	7.2	24.2	9.5	7.7	1.8	10.7
Red oaks	53.8	25.8	28.0	10.8	6.7	4.1	16.9
Other red oaks	5.0 24.3	2.9 12.6	2.1 11.7	1.0 4.5	•5 3•5	.5 1.0	6.1 7.8
Hickory A Hickory B	15.7	10.0	5.7	2.1	1.6	•5	5.5
Hard maple	8.2	5.7	2.5	.7	•3	•4	6.1
Soft maple	1.2	.2	1.0	.4	.4		1.2
Sweetgum	.8		.8	•3	.2	.1	.1
Tupelo and blackgum	1.5	.7	.8	•3	.3		•3
Ash	14.3	7.8	6.5	2.2	1.8	-4	8.2
Sycamore	13.2	2.4	10.8	4.0	3.3	• 7	1.1
Cottonwood	10.5	1.7	8.8	3.8	3.7	.1	1.1
River birch	•6	•2	-4	.2	.2		•4
Yellow-poplar	.2		.2				
Basswood	•3		. 3	.1	.1		
Black walnut	8.4	3.6	4.8	1.6	1.2	.4	3.8
Black cherry	1.0	.2	.8	• 3	.2	.1	.8
Elm Other hardwoods	8.9 20.2	5.3 8.3	3.6 11.9	1.1 4.7	• 9	1.4	10.6 10.0
Noncommercial species	20.2		11.9	4.1	3.3	T • T	.2
Total hardwoods	1.1 € 7	182.2	222 년	88.2	64.9	22.2	1 (1. 7
Total Hardwoods	415.7		233.5	00.2		23.3	154.7
All species	429.0	190.6	238.4	90.2	65.4	24.8	160.5
		JI	EFFERSON COUN	TY			
Softwoods:							
Shortleaf pine	•3		.3	.1		.1	
Eastern redcedar	48.7	30.6	18.1	7.1	2.5	4.6	20.7
Total softwoods	49.0	30.6	18.4	7.2	2.5	4.7	20.7
Hardwoods: Select white oaks	673.2	245.8	427.4	157.5	123.3	34.2	165.2
Other white oaks	191.1	129.6	61.5	23.6	12.1	11.5	80.7
Select red oaks	131.3	29.6	101.7	39.8	32.4	7.4	40.9
Red oaks	212.7	96.3	116.4	44.3	30.0	14.3	63.0
Other red oaks	18.7	10.4	8.3	3.8	2.2	1.6	21.9
Hickory A	98.1	49.8	48.3	18.6	14.8	3.8	29.3
Hickory B	64.1	40.4	23.7	8.7	6.6	2.1	18.8
Hard maple	32.3	23.3	9.0	2.5	1.2	1.3	22.3
Soft maple	2.4	•5	1.9	.8	-8		2.8
Sweetgum	2.0		2.0	•7	.5	•2	.1
Tupelo and blackgum	5.6	2.5	3.1	1.2	1.2 6.9	1.2	1.2 26.4
Ash	49.9	24.8	25.1	8.1	8.2	1.5	2.7
Sycamore	32.1 15.5	5.6 2.0	26.5 13.5	9•7 5•8	5.7	.1	1.7
Cottonwood River birch	2.1	2.0	1.7	.8	.8		1.0
Yellow-poplar	.9	• 4	.9	.1	.1		
Basswood	.8		.8	•3	• 3		.1
Black walnut	27.3	12.3	15.0	4.8	3.4	1.4	14.1
Black cherry	3.5	.8	2.7	•9	.6	•3	2.5
Elm	26.9	17.0	9.9	3.1	2.6	-5	30.2
Other hardwoods	35.6	16.1	19.5	7.6	6.3	1.3	27.3
Noncommercial species							•9
Total hardwoods	1,626.1	707.2	918.9	342.7	260.0	82.7	553.1
All species	1,675.1	737.8	937•3	349.9	262.5	87.4	573.8
	-,-1,>	151	,,,,,				

^{1/} International 1/4-inch rule.

MISSISSIPPI COUNTY

Canadas		Growing stock Poletimber:	Sawtimber :		Sawtimber In sawtimber :	Other	- Rough and
Species	Total	trees :	trees :	Total	in sawtimber :		rotten trees
	·	Thousand cor		Mil	llion board feet	4 7	Thousand cords
						-	
Softwoods:							
Cypress	11.0	0.2	10.8	4.1	3.5	0.6	5.0
Total softwoods	11.0	.2	10.8	4.1	3.5	.6	5.0
Hardwoods:	7 /	2 0	2 6	1 5	1 2	2	, ,
Select white oaks Other white oaks	7.4 1.7	3.8 1.1	3.6	1.5	1.3	.2	4.4
Select red oaks	2.0	1.1	.9	.5	.5		1.0
Red oaks	5.2	2.3	2.9	1.3	.9	. 4	.5
Other red oaks	2.0	.6	1.4	.6	.5	.1	1.5
Hickory A	4.8	1.0	3.8	1.9	.8	1.1	2.6
Hickory B	1.0	.1	.9	.3	.1	. 2	. 2
Hard maple							. 2
Soft maple	18.4	5.2	13.2	4.7	4.7		5.9
Sweetgum	2.7	1.2	1.5	.7	.5	. 2	.6
Tupelo and blackgum	7.0	3.9	3.1	1.4	.9	.5	5.3
Ash	12.9	6.9	6.0	2.1	1.7	. 4	2.8
Sycamore	5.4	.8	4.6	1.7	1.4	.3	.1
Cottonwood	24.4	.2	24.2	9.4	8.7	.7	. 7
River birch	1.4	. 4	1.0	.4	. 4		
Black walnut	.8	.4	.4	.2		.2	
Black cherry							.1
Elm	6.4	3.7	2.7	1.0	.6	. 4	4.2
Other hardwoods	79.1	25.2	53.9	19.1	15.0	4.1	11.5
Noncommercial species							. 4
Total hardwoods	182.6	57.9	124.7	47.1	38.0	9.1	42.6
All species	193.6	58.1	135.5	51.2	41.5	9.7	47.6
		M	ONITEAU COUN	ГҮ			
Softwoods:							
Shortleaf pine	0.2		0.2				
Eastern redcedar	12.4	8.3	4.1	1.7	0.4	1.3	, 5.2
Total softwoods	12.6	8.3	4.3	1.7	.4	1.3	5.2
Hardwoods:	100 (10.0	71.6	28.1	19.5	8.6	40.5
Select white oaks	123.6	49.0	74.6 14.5	5.5	1.9	3.6	23.9
Other white oaks	50.8	36.3	21.4	8.7	6.8	1.9	9.6
Select red oaks	28.5	7.1	25.3	9.7	5.5	4.2	17.0
Red oaks	51.5 5.0	26.2 3.1	1.9	.9	.3	.6	6.3
Other red oaks	21.7	12.1	9.6	3.7	2.6	1.1	7.9
Hickory A	14.6	10.0	4.6	1.7	1.1	.6	5.5
Hickory B Hard maple	6.5	4.4	2.1	.6	.2	.4	5.2
-	.8	.2	.6	.2	.2		.6
Soft maple Sweetgum	.3		.3	.1		.1	
Tupelo and blackgum	1.5	.7	.8	.4	.4		. 2
Ash	11.7	6.9	4.8	1.5	1.2	.3	7.0
Sycamore	8.7	1.7	7.0	2.6	2.1	.5	.8
Cottonwood	4.5	.5	4.0	1.7	1.6	.1	. 4
River birch	.4	.1	.3	.1	.1		. 4
Yellow-poplar	.2		.2				
Basswood	.2		.2	.1	.1		.1
Black walnut	7.1	3.3	3.8	1.2	.7	.5	3.7
Black cherry	.7	.1	.6	. 2	.1	.1	.8
Elm	6.8	4.2	2.6	.8	. 7	.1	9.0
Other hardwoods	11.4	5.4	6.0	2.4	1.7	.7	7.8
Noncommercial species							. 2
Total hardwoods	356.5	171.3	185.2	70.2	46.8	23.4	146.9

1/International 1/4-inch rule.

MONTGOMERY COUNTY

Species	Total	Growing stock Poletimber: trees:		Total	Sawtimber In sawtimber stands	: Other	Rough and rotten tree
Softwoods:		Thousand cord	.s	Mi	llion board fe	et <u>1</u> /	Thousand cord
Shortleaf pine	0.2		0.2				
Eastern redcedar	18.1	10.9	7.2	3.0	1.0	2,0	8.3
Total softwoods	18.3	10.9	7.4	3.0	1.0	2.0	8.3
Hardwoods:							
Select white oaks	250.1	96.4	153.7	57.5	42.4	15.1	68.7
Other white oaks	92.8	64.8	28.0	10.7	4.6	6.1	40.0
Select red oaks	52.3	12.7	39.6	15.7	12.6	3.1	16.7
Red oaks	93.0	45.2	47.8	18.1	11.4	6.7	28.4
Other red oaks	9.5	5.3	4.2	1.9	.8	1.1	10.4
Hickory A	43.1	23.0	20.1	7.7	5.9	1.8	13.3
Hickory B	27.5	18.3	9.2	3.4	2.5	. 9	7.7
Hard maple	13.5	9.5	4.0	1.1	.5	.6	10.1
Soft maple	2.9	•6	2.3	.9	.9		2.7
Sweetgum	1.8		1.8	.8	.8		. 2
Tupelo and blackgum	2.4	1.2	1.2	.5	•5		.5
Ash	27.7	15.4	12.3	4.1	3.3	.8	13.2
Sycamore	26.1	3.9	22.2	8.2	7.5	.7	2.2
Cottonwood	28.4	4.7	23.7	10.4	10.2	.2	2.4
River birch	1.1	.5	.6	.3	.3		.7
Yellow-poplar	.4		. 4	.1	.1		
Basswood	.5		•5	.2	.2		.1
Black walnut	15.6	6.6	9.0	3.1	2.4	. 7	6.4
Black cherry	1.5	.3	1.2	. 4	.2	.2	1.3
E1m	17.8	10.4	7.4	2.2	1.9	.3	19.2
Other hardwoods	34.5	11.5	23.0	9.3	8.2	1.1	18.4
Noncommercial species							.5
Total hardwoods	742.5	330.3	412.2	156.6	117.2	39.4	263.1
All species	760.8	341.2	419.6	159.6	118.2	41.4	271.4
			NEW MADRI	D COUNTY			
Softwoods:							
Cypress	12.4	.2	12.2	4.5	4.1	. 4	4.8
Total softwoods	12.4	.2	12.2	4.5	4.1	.4	4.8
Hardwoods:				-	4.		
	9.2	, -	, 7	1 0	1 0		
Select white oaks		4.5	4.7	1.8	1.8		4.6
Other white oaks Select red oaks	1.7 2.8	.9 1.2	.8	.4		. 4	.5
Red oaks	6.1	2.9	1.6 3.2	.8 1.4	.8		1.6
Other red oaks	2.5				1.0	.4	.6
		.5	2.0	.9	.5	.4	1.3
Hickory A Hickory B	6.4 1.1	1.6 .2	4.8	2.2	1.2	1.0	3.1
-			.9	.3	.1	. 2	.2
Hard maple	19.6	 E 0	12.0				.2
Soft maple Sweetgum	3.4	5.8	13.8	5.0	5.0		6.7
		1.4	2.0	.9	.7	.2	1.0
Tupelo and blackgum	6.2	2.9	3.3	1.4	1.0	. 4	5.1
Ash	13.4	7.1	6.3	2.2	1.9	.3	3.4
Sycamore	7.4	1.0	6.4	2.5	2.1	.4	.2
Cottonwood	24.4	.3	24.1	9.5	8.3	1.2	.8
River birch	2.1	.7	1.4	.6	.6		
Black walnut	.6	.3	.3	.1		.1	
Elm	8.2	5.0	3.2	1.2	.6	.6	5.6
Other hardwoods	83.4	26.9	56.5	20.2	16.3	3.9	15.3
Noncommercial species							
	198 5	63.2	135 3	51 4	/ ₁ 1 0	0.5	50 6
Noncommercial species Total hardwoods All species	198.5	63.2	<u>135.3</u> 147.5	51.4	41.9	9.5	50.6 55.4

^{1/} International 1/4-inch rule.

Species Total Poletimber Savetimber Other Cortem Fortuna Cortem Co				OSAGE CO	JUNTY	2		
	Species	:	Growing stock	Sawtimber:		Sawtimber :	Other	- Rough and
Softwoods: Shortleaf pine		Total			Total			rotten trees
Solution print		I	housand cords		Mi	llion board feet1/		Thousand cords
Total softwoods 35.9 23.2 12.5 5.0 1.5 3.5 13.9 Total softwoods 35.9 23.2 12.7 5.0 1.5 3.5 13.9 Total softwoods 35.9 23.2 12.7 5.0 1.5 3.5 13.9 Total softwoods 35.9 23.2 12.7 5.0 1.5 3.5 13.9 Total softwoods 35.9 23.2 12.7 5.0 1.5 3.5 13.9 Total softwoods 35.9 23.2 12.7 5.0 1.5 3.5 13.9 Total softwoods 35.9 23.2 12.7 5.0 1.5 3.5 13.9 Total softwoods 12.5 23.2 12.7 5.0 1.5 3.5 13.9 Total softwoods 12.9 1.0 12.8 12.9 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5		-						
Total softwoods	-							
Select white caks	Eastern redcedar	35.7	23.2	12.5	5.0	1.5	3.5	13.9
Select white casks 431.5 164.8 266.7 99.4 73.7 25.7 123.7 Other white casks 92.5 22.2 70.3 28.2 22.6 5.6 30.7 Red casks 92.5 22.2 70.3 28.2 22.6 5.6 30.7 Soluter red casks 14.8 8.5 6.3 2.8 1.2 1.6 18.2 Hickory A 70.3 37.4 32.9 12.6 9.4 3.2 23.1 Hickory B 46.7 30.7 16.0 5.9 4.2 1.7 15.8 Hard maple 21.4 15.1 6.3 1.8 8.8 10.0 16.8 Soft maple 2.9 6 2.3 9 9 2.8 Sveetgum 4.6 2.2 2.4 1.0 1.0 8.4 Ash 38.1 20.6 17.5 5.7 4.7 1.1 20.4 Ash 38.1 20.6 17.5 5.7 4.7 1.1 20.4 Kiver birch 1.5 5 1.0 1.0 1.0 9 Kiver by a 2.1 9.8 12.3 4.1 2.9 1.2 2.1 Kiver birch 1.5 5 1.0 1.0 1.0 9 Kiver birch 22.1 9.8 12.3 4.1 2.9 1.2 2.1 Black valuut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black valuut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black valuut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black valuut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black valuut 22.1 9.8 12.3 4.1 2.9 1.2 2.6 Other hardwoods 40.4 16.5 23.9 9.5 7.6 1.9 24.2 Noncommercial species 7.7 Total hardwoods 5.8 2.4 3.4 1.5 1.3 2.2 2.4 Other white caks 9.6 5.7 3.9 1.5 1.3 2. 2.4 Other white caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other white caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other red caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other white caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other red caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other red caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other red caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other red caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other red caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other red caks 5.8 2.4 3.4 1.5 1.3 2. 2.4 Other red caks 5.8 2.4 3.4 1.5 1.3 2. 3.	Total softwoods	35.9	23.2	12.7	5.0	1.5	3.5	13.9
Select white caks 431.5 164.8 266.7 99.4 73.7 25.7 123.7	Hardwoods:							
Select red oaks 92.5 22.2 70.3 28.2 22.6 5.6 30.7 Red oaks 159.4 78.2 81.2 31.1 19.3 11.8 49.5 Other red oaks 14.8 8.5 6.3 2.8 1.2 1.6 18.2 Hickory A 70.3 37.4 32.9 12.6 9.4 3.2 23.1 Hickory B 46.7 30.7 16.0 5.9 4.2 1.7 15.8 Hickory B 46.7 30.7 16.0 5.9 4.2 1.7 15.8 Soft maple 21.4 15.1 6.3 1.8 8 1.0 16.8 Soft maple 2.9 6 2.3 .9 9 9 - 2.8 Sweetgum 2.2 2.2 9 7.7 2 2.8 Tupelo and blackgum 4.6 2.2 2.4 1.0 1.0 8.8 Ash 38.1 20.6 17.5 5.7 4.7 1.0 20.4 Ash 38.1 20.6 17.5 5.7 4.7 1.0 20.4 Sycamore 29.8 5.0 24.8 9.1 7.9 1.2 2.6 Cottonwood 23.1 3.4 19.7 8.6 8.4 2.2 2.1 Kivet birch 1.5 .5 1.0 5.5 1.0 .5 1.0 .5 1.0 2.6 Black walkut 22.1 9.8 12.3 4.1 2.3 4.1 2.9 1.2 10.9 Black walkut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black walkut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black walkut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black walkut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black walkut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black walkut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black walkut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black walkut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black walkut 39.0 13.8 9.2 2.7 2.3 4.4 26.8 Noncommercial species		431.5	164.8	266.7	99.4	73.7	25.7	123.7
Select red oaks 92.5 22.2 70.3 28.2 22.6 5.6 30.7 8.7 Red oaks 159.4 78.2 81.2 31.1 19.3 11.8 49.7 Other red oaks 159.4 78.2 81.2 31.1 19.3 11.8 49.7 Other red oaks 14.8 8.5 6.3 2.8 1.2 1.6 18.2 16.6 18.2 16.6 18.2 16.6 70.3 37.4 32.9 12.6 9.4 3.2 23.1 Hickory B 46.7 30.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 16.7 16.0 5.9 4.2 1.7 15.8 1.0 16.0 5.9 4.2 1.7 15.8 16.0 5.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Other white oaks	156.0	108.7	47.3	18.0	7.7	10.3	68.8
Other red oaks 14.8 8.5 6.3 2.8 1.2 1.6 18.2 Hickory A 70.3 37.4 32.9 12.6 9.4 3.2 23.1 Hickory B 6.7 30.7 16.0 5.9 4.2 1.7 15.8 Hard maple 21.4 15.1 6.3 1.8 8 1.0 16.8 Soft maple 2.9 .6 2.3 .9 .9 2.8 Soft maple 2.9 .6 2.3 .9 .9 .7 2.2 2.8 Ash 1.2 .6 1.5 .5 .1 .1 .1 .1 .1 .2 .2 .2	Select red oaks	92.5	22.2	70.3	28.2		5.6	
Hickory A 70.3 37.4 32.9 12.6 9.4 3.2 23.1 15.8 Hard maple 21.4 15.1 6.3 1.8 8 1.0 16.8 Soft maple 21.4 15.1 6.3 1.8 8 1.0 16.8 Soft maple 2.9 6 2.3 9 9 9 - 2 2.8 Sweetgum 2.2 - 2 2 9 7 7 2 2 .2	Red oaks	159.4	78.2	81.2	31.1	19.3	11.8	49.5
Hickory B	Other red oaks	14.8	8.5	6.3	2.8	1.2	1.6	18.2
Soft maple 21.4 15.1 6.3 1.8 8 1.0 16.8 Soft maple 2.9 6.6 2.3 9 9 9 Sweetgum 2.2 2.2 9 7 2 2.8 Sweetgum 4.6 2.2 2.4 1.0 1.0 Tupelo and blackgum 4.6 2.2 2.4 1.0 1.0 Ash 38.1 20.6 17.5 5.7 4.7 1.0 20.4 Ash 38.1 20.6 17.5 5.7 4.7 1.0 20.4 Ash 38.1 20.6 17.5 5.7 4.7 1.0 20.4 Ash 38.1 20.6 17.5 5.7 4.7 1.0 Sycamore 29.8 5.0 24.8 9.1 7.9 1.2 2.6 Cortonwood 23.1 3.4 19.7 8.6 8.4 2.2 2.1 Kilver birch 1.5 5.5 1.0 5.5 5. Yellow-poplar 6.6 6. 1.1 1.1 Black walnut 22.1 9.8 12.3 4.1 2.9 1.2 10.9 Black cherry 2.3 5.5 1.8 6.6 4. 2.9 1.2 10.9 Elm 23.0 13.8 9.2 2.7 2.3 4.4 2.0 Elm 23.0 13.8 9.2 2.7 2.3 4.4 2.8 Noncommercial species	Hickory A	70.3	37.4	32.9	12.6	9.4	3.2	23.1
Soft maple 2.9	Hickory B	46.7	30.7		5.9		1.7	15.8
Sveetgum	Hard maple	21.4	15.1	6.3	1.8	.8	1.0	16.8
Tupelo and blackgum	Soft maple	2.9	. 6	2.3	. 9	.9		2.8
Ash Sycamore 29.8 5.0 24.8 9.1 7.9 1.2 20.6 Cottonwood 23.1 3.4 19.7 8.6 8.4 .2 2.1 River birch 1.5 .5 .5 1.0 .5 1.3 .2 2.6 Cottonwood 23.1 3.4 19.7 8.6 8.4 .2 2.1 River birch 1.5 .5 .5 1.0 .5 1.1 1.1 9.9 River birch 1.5 .5 .5 1.0 .5 1.1 1.1 9.9 River birch 1.5 .5 .5 1.0 .5 1.1 1.1 9.9 River birch 1.5 1.5 .5 1.0 1.5 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	Sweetgum	2.2			. 9	. 7	. 2	. 2
Sycamore 29.8 5.0 24.8 9.1 7.9 1.2 2.6 Cottonwood 23.1 3.4 19.7 8.6 8.4 2 2.1 River birch 1.5 .5 1.0 .5 .5 .9 Yellow-poplar .6 .1 .1 .1 .1 .9 .9 Yellow-poplar .6 .1 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2<	Tupelo and blackgum	4.6	2.2	2.4	1.0	1.0		. 8
Cottonwood 23.1 3.4 19.7 8.6 8.4 .2 2.1	Ash			17.5	5.7	4.7		20.4
River birch 1.5 .5 1.0 .5 .5	Sycamore	29.8	5.0	24.8	9.1	7.9	1.2	2.6
Vellow=poplar	Cottonwood		3.4				. 2	
Baskwood	River birch	1.5	.5	1.0	. 5	.5		. 9
Black cherry 2.1 9.8 12.3 4.1 2.9 1.2 10.9 Black cherry 2.3 5.5 1.8 6. 4. 2.2 2.0 Elm 23.0 13.8 9.2 2.7 2.3 4.2 2.0 Cher hardwoods 40.4 16.5 23.9 9.5 7.6 1.9 24.2 Noncommercial species	Yellow-poplar	.6		.6	.1	.1		
Black cherry	Basswood	. 7		.7	.3	. 3		
Elm	Black walnut		9.8	12.3	4.1	2.9		
Other hardwoods Noncommercial species 40.4 16.5 23.9 9.5 7.6 1.9 24.2 7.7 7.5 7.6 1.9 1.83.9 538.5 645.4 243.8 176.6 67.2 441.1 7.0 7.7 455.0 7.0	Black cherry		.5					
Noncommercial species	Elm	23.0	13.8		2.7	2.3	. 4	
Total hardwoods		40.4				7.6		
All species 1,219.8 561.7 658.1 248.8 178.1 70.7 455.0 PEMISCOT COUNTY Softwoods: Cypress 11.9 .1 11.8 4.3 4.1 .2 5.8 Total softwoods 11.9 .1 11.8 4.3 4.1 .2 5.8 Tardwoods: Select white oaks 9.6 5.7 3.9 1.5 1.3 .2 2.4 Other white oaks .7 .5 .2 .11 .2 Select red oaks 3.7 2.0 1.7 .8 .8 .8 1.2 Select red oaks 5.8 2.4 3.4 1.5 1.3 2 .5 Other red oaks 5.8 2.4 3.4 1.5 1.3 .2 .5 Other red oaks 1.9 .5 1.4 .6 .5 1.1 .6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple2 Soft maple 15.9 4.5 11.4 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottomwood 20.7 .2 20.5 8.0 7.4 6 .6 River birch 1.2 .3 .9 .4 .4 .4 Elack cherry55 Elack wahnut .6 .3 1.4 .55 Elack wahnut .6 .3 1.3 .15 .4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species3	Noncommercial species							.7
PEMISCOT COUNTY Softwoods:	Total hardwoods	1,183.9	538.5	645.4	243.8	176.6	67.2	441.1
Sefetwoods: Cypress 11.9 .1 11.8 4.3 4.1 .2 5.8 Total softwoods 11.9 .1 11.8 4.3 4.1 .2 5.8 Tardwoods: Select white oaks 9.6 5.7 3.9 1.5 1.3 .2 2.4 Other white oaks 7.7 5.5 .2 .1 1. 2.2 Select red oaks 3.7 2.0 1.7 .8 8 8 1.2 Red oaks 5.8 2.4 3.4 1.5 1.3 2 5.5 Other red oaks 1.9 .5 1.4 6.6 .5 1.1 6.6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 7.7 3 1.1 2 3.0 Hard maple 2.2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 8 6.6 2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 4.1 2 2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 3 3.0 Sycamore 6.1 8 5.3 2.0 1.7 3 3.0 Sycamore 6.1 8 5.3 2.0 1.7 3 3.0 Cottonwood 20.7 2 20.5 8.0 7.4 6.6 6.6 River birch 1.2 3 .9 4 6.4 6.6 River birch 1.2 3 .9 4 6.4 6.6 6.6 River birch 1.2 3 .9 4 6.4 6.6 6.6 River birch 1.2 3 .9 4 6.4 6.5 5.5 Yellow-poplar 1.6 2 1.4 5 5.5 Slack cherry 1.1 Elm 6.9 4.2 2.7 1.0 5.5 5.5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species	All species	1,219.8	561.7	658.1	248.8	178.1	70.7	455.0
Total softwoods 11.9				PEMISCOT	COUNTY			
Total softwoods 11.9	Softwoods:							
Select white oaks 9.6 5.7 3.9 1.5 1.3 .2 2.4 Other white oaks .7 .5 .2 .11 .2 Select red oaks 3.7 2.0 1.7 .8 .8 .8 1.2 Red oaks 5.8 2.4 3.4 1.5 1.3 .2 .5 Other red oaks 1.9 .5 1.4 .6 .5 .1 .6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 River birch 1.2 .3 .9 .4 .4 Black walnut .6 .3 .3 .3 .15 Black cherry5 Black walnut .6 .3 .3 .3 .11 Black cherry1 Elm 6.9 4.2 2.7 1.0 .5 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0		11.9	.1	11.8	4.3	4.1	. 2	5.8
Select white oaks 9.6 5.7 3.9 1.5 1.3 .2 2.4 Other white oaks .7 .5 .2 .1 .1 .2 Select red oaks 3.7 2.0 1.7 .8 .8 1.2 Red oaks 5.8 2.4 3.4 1.5 1.3 .2 .5 Other red oaks 1.9 .5 1.4 .6 .5 .1 .6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple .2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 .1 .5 .4 .6 .2 1.4	Total softwoods	11.9	.1	11.8	4.3	4.1	. 2	5.8
Select white oaks 9.6 5.7 3.9 1.5 1.3 .2 2.4 Other white oaks .7 .5 .2 .1 .1 .2 Select red oaks 3.7 2.0 1.7 .8 .8 1.2 Red oaks 5.8 2.4 3.4 1.5 1.3 .2 .5 Other red oaks 1.9 .5 1.4 .6 .5 .1 .6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple .2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 .1 .5 .4 .6 .2 1.4								
Other white oaks .7 .5 .2 .1 .1 .2 Select red oaks 3.7 2.0 1.7 .8 .8 1.2 Red oaks 5.8 2.4 3.4 1.5 1.3 .2 .5 Other red oaks 1.9 .5 1.4 .6 .5 .1 .6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple .2 .3 Hard maple 15.9 4.5 11.4 4.1 4.1 .54 .3 .3 .1 .2 .3 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 .6 .8 .6 .2 1.4 .6 .8 .6 .2 <								
Select red oaks 3.7 2.0 1.7 .8 .8 1.2 Red oaks 5.8 2.4 3.4 1.5 1.3 .2 .5 Other red oaks 1.9 .5 1.4 .6 .5 .1 .6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple .2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7								
Red oaks 5.8 2.4 3.4 1.5 1.3 .2 .5 Other red oaks 1.9 .5 1.4 .6 .5 .1 .6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple .2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 River birch 1.2 .3 .9 .4<								
Other red oaks 1.9 .5 1.4 .6 .5 .1 .6 Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple .2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 River birch 1.2 .3 .9 .4 .4 Yellow-poplar 1.6 .2 1.			-					
Hickory A 6.4 1.7 4.7 2.2 1.2 1.0 2.4 Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 5								
Hickory B 1.9 1.2 .7 .3 .1 .2 .3 Hard maple2 Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 River birch 1.2 .3 .9 .4 .4 Yellow-poplar 1.6 .2 1.4 .55 Black walnut .6 .3 .3 .3 .11 Black cherry5 Elm 6.9 4.2 2.7 1.0 .5 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0								
Hard maple	-							
Soft maple 15.9 4.5 11.4 4.1 4.1 5.4 Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 River birch 1.2 .3 .9 .4 .4 Yellow-poplar 1.6 .2 1.4 .5 .5 Black walnut .6 .3 .3 .1 .1 Elm 6.9 4.2 2.7 1.0 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species <	-	1.9						
Sweetgum 3.0 1.4 1.6 .8 .6 .2 1.4 Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 .6 River birch 1.2 .3 .9 .4 .4 Yellow-poplar 1.6 .2 1.4 .5 .5 Black walnut .6 .3 .3 .1 .1 Elm 6.9 4.2 2.7 1.0 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species .3		15.0						
Tupelo and blackgum 5.7 2.5 3.2 1.4 1.2 .2 4.6 Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 .6 River birch 1.2 .3 .9 .4 .4 Yellow-poplar 1.6 .2 1.4 .555 Black walnut .6 .3 .3 .111111111111 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1								
Ash 11.0 5.9 5.1 1.8 1.5 .3 3.0 Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 .6 River birch 1.2 .3 .9 .4 .4 5 .55 .555555	O .							
Sycamore 6.1 .8 5.3 2.0 1.7 .3 .2 Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 River birch 1.2 .3 .9 .4 .4 Yellow-poplar 1.6 .2 1.4 .5 .5 Black walnut .6 .3 .3 .1 .1 Black cherry .1 Elm 6.9 4.2 2.7 1.0 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species .3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0								
Cottonwood 20.7 .2 20.5 8.0 7.4 .6 .6 River birch 1.2 .3 .9 .4 .4 Yellow-poplar 1.6 .2 1.4 .5 .5 Black walnut .6 .3 .3 .1 .1 Black cherry .1 .1 Elm 6.9 4.2 2.7 1.0 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species .3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0								
River birch 1.2 .3 .9 .4 .4 Yellow-poplar 1.6 .2 1.4 .5 .5 Black walnut .6 .3 .3 .1 .1 Black cherry .1 .1 Elm 6.9 4.2 2.7 1.0 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species .3 Total hardwoods	-							
Yellow-poplar 1.6 .2 1.4 .5 .5 Black walnut .6 .3 .3 .1 .1 Black cherry .1 Elm 6.9 4.2 2.7 1.0 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species .3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0								
Black walnut .6 .3 .3 .1 .1 Black cherry .1 Elm 6.9 4.2 2.7 1.0 .5 .5 5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species .3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0								
Black cherry1 Elm 6.9 4.2 2.7 1.0 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0								
Elm 6.9 4.2 2.7 1.0 .5 .5 4.4 Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0								
Other hardwoods 62.3 19.0 43.3 15.4 13.3 2.1 11.2 Noncommercial species 3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0	,							
Noncommercial species3 Total hardwoods 165.0 53.3 111.7 42.5 35.9 6.6 39.0								
	Total hardwoods	165.0	53.3	111.7	42.5	35.9	6.6	39.0
ALL Species 175.9 33.4 [23.3 45.8 40.0 5.8 44.8	All species	176.9	53.4	123.5	46.8	40.0	6.8	44.8

(Table 21 cont.)	:	Growing stock		:	Sawtimber		Rough and
Species	Total	: Poletimber : trees	: Sawtimber : trees	Total	: In sawtimber stands	: Other : stands	rotten trees
		Thousand cord			Million board fe	etl/	Thousand cords
Softwoods:							
Shortleaf pine	1.2	.9	.3	.1		.1	
Eastern redcedar	18.9	11.9	7.0	2.9	1.3	1.6	7.7
Total softwoods	20.1	12.8	7.3	3.0	1.3	1.7	7.7
Hardwoods:						- / -	
Select white oaks	325.3	117.7	207.6	76.4	60.3 6.1	16.1	76.2
Other white oaks Select red oaks	88.7 62.4	59.5 13.9	29.2 48.5	11.2 19.0	15.6	5.1 3.4	37.1 19.0
Red oaks	101.6	45.3	56.3	21.4	14.8	6.6	29.8
Other red oaks	9.0	4.9	4.1	1.9	1.1	.8	9.8
Hickory A	47.8	24.1	23.7	9.1	7.3	1.8	13.5
Hickory B	31.2	19.8	11.4	4.2	3.3	.9	8.5
Hard maple	16.2	11.7	4.5	1.3	.6	.7	10.8
Soft maple	1.6	•3	1.3	•5	•5		1.9
Sweetgum	1.3		1.3	•5	• 4	.1	.1
Tupelo and blackgum	3.3	1.9	1.4	.6	.6		.6
Ash	26.3	13.2	13.1	4.3 5.8	3.6 5.0	•7	13.3
Sycamore Cottonwood	19.0 14.6	3.2 2.6	15.8 12.0	5.8	5.0	.8	1.5 1.5
River birch	1.3	•3	1.0	-4	.4	• 1	.6
Yellow-poplar	•5		•5	.1	.1		
Basswood	.4		•4	.2	.2		.1
Black walnut	14.2	6.3	7.9	2.6	1.9	.7	6.7
Black cherry	1.9	•4	1.5	•5	•3	.2	1.4
Elm	14.6	9.2	5.4	1.6	1.4	.2	16.3
Other hardwoods	29.5	12.9	16.6	6.5	4.6	1.9	15.7
Noncommercial species							•4
Total hardwoods	810.7	347.2	463.5	173.4	133.3	40.1	264.8
All species	830.8	360.0	470.8	176.4	134.6	41.8	272.5
		ST	. CHARLES (COUNTY			
Softwoods:							
Shortleaf pine	•3		•3				
Eastern redcedar	15.0	8.9	6.1	2.7	1.5	1.2	7.4
Total softwoods	15.3	8.9	6.4	2.7	1.5	1.2	7.4
Hardwoods:							
Select white oaks	270.2	95.6	174.6	64.7	51.8	12.9	56.9
Other white oaks	60.4	39.0	21.4	8.2	5.2	3.0	
Select red oaks	50.0	11.0	39.0	15.2	12.7	2.5	
Red oaks	77.0	34.3	42.7	16.2	11.5	4.7	22.0
Other red oaks Hickory A	7.5 40.7	3.8 19.9	3.7 20.8	1.7 8.0	.9 6.6	.8 1.և	7.3
Hickory B	25.4	15.1	10.3	3.9	3.2		10.5
Hard maple	15.3	11.1	4.2	1.2	.7	• 7	5.9 9.9
Soft maple	4.2	•7	3.5	1.3	1.3	• 5	4.2
Sweetgum	2.9		2.9	1.3	1.3		•5
Tupelo and blackgum	1.9	1.0	• 9	•3	•3		.4
Ash	30.9	15.9	15.0	5.2	4.3	•9	
Sycamore	35.3	4.9	30.4	11.3	10.5	.8	2.8
Cottonwood	45.8	8.2	37.6	16.8	16.5	• 3	
River birch	1.9	•7	1.2	.6	.6		.8
Yellow-poplar	• 3		•3	.1	.1		
Basswood Block walnut	.7	6 2	.7	• 3	•3		_·1
Black walnut Black cherry	17.0 1.8	6.3	10.7 1.5	3.8	3.3	•5 •2	5.5
Elm	21.0	.3 11.6	9.4	•5 2•7	•3 2•5	.2	1.4 21.2
Other hardwoods	61.1	21.0	40.1	16.2	12.5	3.7	
						201	•5
Noncommercial species							
Noncommercial species Total hardwoods	771.3	300.4	470.9	179.5	يا. 6يا1	33.1	228.8
	771.3 786.6	300.4	470.9 477.3	179.5 182.2	146.4 147.9	33.1 34.3	228.8 2 3 6.2

1/ International 1/4-inch rule.

Species		rowing stock Poletimber : Trees :	Sawtimber:	Total	Sawtimber: In sawtimber: stands:	Other stands	
	T	nousand cord	3	Mi:	llion board feet		Thousand cords
Softwoods:							
Shortleaf pine	.3		. 3	.1		.1	
Eastern redcedar	·3 15.6	10.0	·3 5.6	2.2	•9	1.3	6.1
Total softwoods	15.9	10.0	5.9	2.3	.9.	_ 1.4	6.1
lardwoods:							
Select white oaks	172.5	61.5	111.0	41.2	32.5	8.7	42.9
Other white oaks	45.9	30.0	15.9	6.1	3.5	2.6	19.9
Select red oaks	34.8	7.5	27.3	10.7	8.8	1.9	10.5
Red oaks	57.2	25.5	31.7	12.1	8.3	3.8	17.4
Other red oaks	5.6	3.0	2.6	1.2	.7	•5	6.1
Hickory A	27.9	14.0	13.9	5.3	4.3	1.0	8.0
Hickory B	17.7	10.8	6.9	2.6	2.1	.5	5.4
Hard maple	10.1	7.1	3.0	•9	• 1	•5	6.7
Soft maple	2.1	• 4	1.7	• 7	• 7		1.9
Sweetgum	1.2		1.2	.5	•5		.2
Tupelo and blackgum	1.6	.8	.8	• 3	• 3		•3
Ash	19.0	10.1	8.9	3.0	2.4	.6	9.1
Sycamore	18.6	2.6	16.0	5.9	5.3	.6	1.6
Cottonwood	20.0	3.3	16.7	7.3	7.1	.2	1.7
River birch	1.1	.4	.7	•3			.6
	.2				•3		
Yellow-poplar			.2				~ ~
Basswood	-4		.4	.2	.2		.1
Black walnut	10.7	4.2	6.5	2.3	1.8	.5	4.0
Black cherry	1.2	.2	1.0	•3	.2	.1	1.0
Elm	12.1	6.8	5.3	1.5	1.3	.2	13.1
Other hardwoods	24.9	8.3	16.6	6.7	5.9	.8	13.3
Noncommercial species							•3
Total hardwoods	484.8	196.5	288.3	109.1	86.6	22.5	164.1
	500.7	206.5	294.2	111.4	87.5		
All species	300.1		274.2	111.4	01.5	23.9	170.2
			STE. GENEVIEV	E COUNTY			
Softwoods:							
Shortleaf pine	8.3	6.9	1.4	•3	•3		
Eastern redcedar	27.2	18.0	9.2	3.7	1.3	2.4	10.4
Total softwoods	35.5	24.9	10.6	4.0	1.6	2.4	10.4
ra							
Hardwoods:	1			2			
Select white oaks	435.7	163.8	271.9	101.0	75.9	25.1	112.4
Other white oaks	144.7	101.4	43.3	16.6	7.3	9.3	61.2
Select red oaks	88.7	21.1	67.6	27.0	21.6	5.4	27.1
Red oaks	151.2	70.0	81.2	30.9	19.7	11.2	45.3
Other red oaks	13.7	8.0	5.7	2.6	1.3	1.3	15.5
Hickory A	67.9	36.8	31.1	12.0	9.1	2.9	20.5
Hickory B	47.2	32.4	14.8	5.5	4.0	1.5	12.9
Hard maple	21.0	15.0	6.0	1.7	.8	•9	14.9
Soft maple	1.5	•3	1.2	•5	•5		1.6
Sweetgum	1.0		1.0	.3	.2	.1	.1
Tupelo and blackgum	8.2	5•3	2.9	1.1	1.1		•9
Ash	32.9	17.5	15.4	5.0	4.1	.9	17.8
Sycamore	19.9	3.6	16.3	5.9	4.9	1.0	1.8
Cottonwood	7.4	.6	6.8	2.8	2.7	.1	.8
River birch	1.1	.2	.9	•3	•3		.7
Yellow-poplar	.6		.6	.1	.1		
							.1
Basswood	.5		•5	.2	.2		
Black walnut	18.4	8.7	9.7	3.0	2.0	1.0	9.9
Black cherry	2.2	•5	1.7	.6	.4	.2	1.7
Elm	17.9	11.4	6.5	2.0	1.6	-4	20.9
Other hardwoods Noncommercial species	22.9	11.3	11.6	4.5	3.5	1.0	18.6
Total hardwoods	1,104.6	507.9	596.7	223.6	161.3	62.3	
TO COLL HOLLUWUUUS	11704.0	2010)	330.1	667.0	101.1	02.	107.3
All species	1,140.1	532.8	607.3	227.6	162.9	64.7	395.7

^{1/} International 1/4-inch rule.

(Table 21 cont. on next page)

SCOTT COUNTY (Table 21 cont.)

Softwoods:	Total :	trees :	trees	Total	stands	: stands	rotten trees
Goftwoods:			rds	Mil1	lion board feet	. <u>1</u> /	Thousand cord
of twoods:		Inousana co.	.45	11111	LION BOUTH TEEL	=	modsand cord
Cypress	5.9	.1	5.8	2.2	1.9	.3	4.5
•							
Total softwoods	5.9	.1	5.8	2.2	1.9	.3	4.5
Hardwoods:							
Select white oaks	45.2	15.5 2.3	29.7 6.4	12.0 2.6	11.0 2.2	1.0	10.8 4.1
Other white oaks Select red oaks	8.7 17.2	1.6	15.6	6.4	5.9	.5	2.5
Red oaks	46.2	13.5	32.7	13.8	11.3	2.5	5.2
Other red oaks	2.0	.5	1.5	.6	.6		.3
Hickory A	23.3	8.6	14.7	6.2	5.7	.5	1.4
Hickory B	19.6	10.5	9.1	3.8	2.9	.9	.7
Hard maple	1.6	.9	.7	. 2	. 2		. 8
Soft maple	6.5	2.2	4.3	1.6	1.6		2.7
Beech	1.4		1.4	.5	.5		4.5
Sweetgum	4.4	1.9	2.5	1.2	.8	.4	2.2
Tupelo and blackgum	6.6	3.7	2.9	1.3	.9	. 4	4.7
Ash	5.6 3.4	3.6 .8	2.0 2.6	.7 1.1	.5 1.0	.2	2.5
Sycamore Cottonwood	5.7	.1	5.6	2.2	2.0	.1	.2
River birch	.5	.2	.3	.1	.1		
Yellow-poplar	4.3	1.5	2.8	1.1	.6	.5	.5
Black walnut	.3	.1	.2	.1		.1	
Black cherry							.1
E1m	6.2	3.4	2.8	1.3	1.1	. 2	3.9
Other hardwoods	26.5	8.9	17.6	6.3	4.7	1.6	4.7
Noncommercial species							.1
Total hardwoods	235.2	79.8	155.4	63.1	53.6	9.5	51.9
.ll species	241.1	79.9	161.2	65.3	55.5	9.8	56.4
			STODDARD COU				
Softwoods:			STODDARD COL	JNII		· · · · · · · · · · · · · · · · · · ·	
Cypress	29.0	. 2	28.8	10.6	9.8	.8	12.3
Total softwoods	29.0	.2	28.8	10.6	9.8	.8	10.0
Total Softwoods	29.0	• 2	20.8	10.6	9.8	.8	12.3
Hardwoods:							
Select white oaks	88.2	32.9	55.3	22.4	20.1	2.3	31.1
Other white oaks	18.6	5.8	12.8	5.3	4.0	1.3	10.5
Select red oaks	35.8 103.9	4.1	31.7	13.6	12.4	1.2	8.4
Red oaks Other red oaks	6.7	32.5 1.6	71.4 5.1	30.1 2.1	22.9 1.7	7.2	11.2
Hickory A	48.5	17.4	31.1	13.6	12.6	.4 1.0	3.8 3.1
Hickory B	34.8	17.7	17.1	7.1	5.0	2.1	1.2
Hard maple	2.7	1.5	1.2	.4	.4	Z. I	1.5
Soft maple	23.7	7.3	16.4	6.0	6.0		9.5
Beech	2.2		2.2	.8	.8		8.4
Sweetgum	12.9	5.2	7.7	3.7	2.6	1.1	8.4
Tupelo and blackgum	20.8	9.9	10.9	4.8	3.8	1.0	16.3
Ash	18.4	11.5	6.9	2.5	2.1	. 4	6.9
Sycamore	12.6	1.9	10.7	4.6	4.5	,1	.1
Cottonwood	18.3	.3	18.0	7.3	6.6	.7	.8
River birch	2.6	.8	1.8	.8	.8		
Yellow-poplar	5.7	2.2	3.5	1.4	.8	.6	.8
Black walnut	.7	• 2	.5	. 2		. 2	.6
Black cherry	12.0	- -		2.0	2 /		.8
Other hardwoods	12.8 9 5. 5	6.7	6.1	2.9	2.4	.5	10.0
Noncommercial species	93.3	31.5	64.0	23.0	17.7 	5.3	19.8 .5
Total hardwoods	565.4	191.0	374.4	152.6	127.2	25.4	153.7
All species	594.4	191.2	403.2	163.2	137.0	26.2	166.0

	: G:	rowing stock	:		Sawtimber		. D
Species	Total	Poletimber : trees :	Sawtimber : trees :	Total : In	sawtimber: stands:	Other stands	mattan tmana
	T	housand cord	<u>s</u>	Milli	on board feet	1/	Thousand cord
Softwoods:							
Shortleaf pine	.2		.2	.1		.1	
Eastern redcedar	25.1	14.6	10.5	4.1	1.5	2.6	11.5
Total softwoods	25.3	14.6	10.7	4.2	1.5	2.7	11.5
Hardwoods:							
Select white oaks	376.1	138.8	237.3	87.8	68.0	19.8	90.4
Other white oaks	106.7	73.1	33.6	12.9	6.6	6.3	44.0
Select red oaks	72.7	16.8	55.9	21.9	17.8	4.1	21.6
Red oaks	116.9	53.7	63.2	24.0	16.4	7.6	34.2
Other red oaks	10.9	6.0	4.9	2.3	1.2	1.1	12.0
Hickory A	55.6	28.2	27.4	10.5	8.3	2.2	16.4
Hickory B	36.5	23.2	13.3	4.9	3.7	1.2	9.5
Hard maple	18.8	13.7	5.1	1.5	.7	.8	12.8
Soft maple	2.7	•5	2.2	.8	.8		2.8
Sweetgum	1.9		1.9	.8	.7	.1	.2
Tupelo and blackgum	3.0	1.4	1.6	.6	.6		.6
Ash	32.8	16.8	16.0	5.3	4.4	.9	15.8
Sycamore	26.8	4.1	22.7	8.3	7.4	.9	2.2
Cottonwood	23.2	3.4	19.8	8.7	8.6	.1	2.2
River birch	1.6	•5	1.1	•5	.5		.7
Yellow-poplar	.5		•5	.1	.1		
Basswood	.6		.6	.2	.2		.1
Black walnut	17.6	7.5	10.1	3.4	2.7	.7	8.0
Black cherry	2.1	-4	1.7	.6	- 1	.2	
Elm	19.0	11.4	7.6	2.3	2.0	.3	
Other hardwoods	43.8	17.6	26.2	10.5	7.6	2.9	
Noncommercial species							.6
Total hardwoods	969.8	417.1	552.7	207.9	158.7	49.2	316.4
All species	995.1	431.7	563.4	212.1	160.2	51.9	327.9

^{1/} International 1/4-inch rule.

Table 22.--Net volume of timber on commercial forest land, by class of timber and softwoods and hardwoods, Riverborder, Missouri, 1972 (Million cubic feet)

CLASS OF TIMBER	: ALL : : SPECIES :	SOFTWOODS	: HARDWOODS
GROWING STOCK TREES:			
SAW LOG TREES: SAW LOG PORTION	616 7	14.5	E01 2
UPPER STEM PORTION	515.7 244.5	4.7	501.2 239.8
TOTAL SAWTIMBER	760.2	19.2	741.0
POLETIMBER TREES	573.6	20.5	553.1
TOTAL GROWING STOCK	1,333.8	39.7	1,294.1
CULL TREES:			
ROUGH CULL TREES:	100	0 6	100.5
SAWTIMBER POLETIMBER	108.8 184.9	2.6 7.0	106.2 177.9
	293.7	9.6	284.1
TOTAL ROUGH CULL	293.7	9.0	204.1
SHORT LOG CULL TREES:			
SAWTIMBER	76.2	3.7	72.5
POLETIMBER	.1		.1
TOTAL SHORT LOG	76.3	3.7	72.6
ROTTEN CULL TREES:			
SAWTIMBER	46.7	2.4	44.3
POLETIMBER	32.6	. 4	32.2
TOTAL ROTTEN CULL	79.3	2.8	76.5
TOTAL CULL	449.3	16.1	433.2
SALVABLE DEAD TREES:			
SAWTIMBER	14.7	. 9	13.8
POLETIMBER	5.3		5.3
TOTAL SALVABLE DEAD	20.0	. 9	19.1
ALL CLASSES	1,803.1	5 6.7	1,746.4

Table 23.--Net volume of growing stock, sawtimber, and rough and rotten trees on commercial forest land, by individual species, Riverborder, Missouri, 1972

Species	:	Growing stock	:	Sawtimber	: Rough and :rotten trees
	_	Million ubic feet		Million board feet '	Million cubic feet
Softwoods:					
Shortleaf pine		1.3		1.6	
Baldcypress		7.4		34.4	3.1
Eastern redcedar		31.0		58.2	13.0
Total softwoods		39.7		94.2	16.1
Hardwoods:	_		_		
Select white oak group					
White oak		423.3		1,261.2	94.4
Bur oak		2.9		6.8	.7
Chinkapin oak		25.8		68.4	18.2
Overcup oak		3.6		9.8	2.0
Swamp cheatnut oak		1.9		9.8	.7
Swamp white oak		3.7		6.6	1.9
Other white oak group Post oak		139.9		217.6	60.0
Select red oak group		137.7		217.0	00.0
Cherrybark oak		3.5		15.5	1.1
Northern red oak		86.4		327.1	27.8
Shumard oak		4.6		24.0	.3
Red oak group				2	
81ack oak		142.2		373.0	41.2
Scarlet oak		18.9		57.4	4.2
Southern red oak		2.2		6.1	.7
Other red oak group					
8lackjack oak		3.0		1.5	5.8
Pin oak		5.0		22.7	1.8
Shingle oak		6.8		15.1	8.1
Willow oak		. 5		2.0	.5
Hickory A group					
Mockernut hickory		18.6		60.8	5.5
Pecan		2.7		13.9	. 7
Shagbark hickory		44.6		100.3	11.7
Shellbark hickory		11.2		17.4	4.0
Hickory B group					0.0
Bitternut hickory		7.7		10.6	2.3
Black hickory		17.2		28.7	3.6
Pignut hickory		25.2		48.3	7.4
Hard maple group		.2			
8lack maple		22.9		23.8	16.2
Sugar maple		22.9		23.8	10.2

(Table 23 continued in next column)

(Table 23 cont.)

Species	:	Growing stock	Saw	timber	: Rough	
	2	fillion	Mil	lion	Mi 11i	on
	cul	ic feet		ard	cubic	feet
Hardwoods (cont.):			<u>fe</u>	et ¹		
Soft maple group						
Red maple		1.1		1.4	1.	5
Silver maple		10.0		36.6	4.	
American beech		.3		1.3	1.	
Sweetgum		4.5		19.1	1.	
Tupelo and blackgum group	2	7.5				
Blackgum		5.6		14.4	1.	7
Black tupelo		2.9		9.0	2.	
Water tupelo		.2		1.0		
		• 4		1.0		_
Ash group White ash		24.9		45.3	12.	7
Green ash		18.4		39.6	7.	
Blue ash		1.8		3.8	1.	
		34.1		134.4	2.	-
Sycamore		33.6		159.7	2.	
Eastern cottonwood		2.5		9.8	1.	
River birch		1.6		4.6		.1
Yellow-poplar				3.5		.1
American basswood		.7		51.7	10.	
Black walnut		21.8				
Black cherry		2.6		8.8	2.	. 0
Elm group		17.5		23.3	21.	F
American elm				23.3		. 6
Rock elm		.7 7.7		15.5	5.	
Slippery elm						
Winged elm		.6		. 6	•	. 2
Other hardwoods				16.1	5.	0
Boxelder		5.0		10.1		. 0
Ohio buckeye		.5		8.9	1.	
Sugarberry		1.9 9.5		25.1		.5
Hackberry		.2		23.1		. 8
Flowering dogwood						
Common persimmon		2.1		1.3		. 6
Honeylocust		3.7		13.3		.0
Kentucky coffeetree		1.5		4.8		. 2
Butternut		. 8		1.6		.0
Red mulberry		. 8		1.6		. 5
Black locust		. 4		1.8		. 3
Sassafras		.3				.0
Northern catalpa						. 2
Black willow		49.8		158.0		. 2
Noncommercial						. 9
Total hardwoods		1,294.1	3,	546.9	433.	. 2
All species		1,333.8	3	641.1	449	. 3

¹ International 1/4-inch rule.

Table 24.--Net volume of growing stock and sawtimber on commercial forest land, by ownership class and species group, Riverborder, Missouri, 1972

GROWING STOCK

•	ALL	:SHORTLEAR	F: OTHER :	SOFT :	HARD
OWNERSHIP CLASS	SPECIES	: PINE	:SOFTWOODS:		
	0. 20120		THOUSAND CO		
			THOUSAND CO	KD2	
NATIONAL FOREST	62.1	16.5			45.6
OTHER FEDERAL	111.9		3.0	14.0	94.9
STATE, COUNTY, AND MUNICIPAL			28.3	69.9	165.2
FOREST INDUSTRY FARMER AND MISCELLANEOUS	222.3			208.2	14.1
	16,224.2		455.7	2,143.5	13,625.0
	<u> </u>			· · · · · · · · · · · · · · · · · · ·	
ALL OWNERSHIPS	16,883.9	16.5	487.0	2,435.6	13,944.8
	· · · · · · · · · · · · · · · · · · ·	WTIMBER			
	31	AMITMOEK			
		MII	LION BOARD	FEET_/	
			LION BOARD	FEET_T/	
NATIONAL FOREST	10.3	MII 1.6			8.7
OTHER FEDERAL	28.3		 1.4	3.2	23.7
OTHER FEDERAL STATE, COUNTY, AND MUNICIPAL	28.3 63.6			3.2 14.4	23.7 39.3
OTHER FEDERAL	28.3		 1.4	3.2	23.7
OTHER FEDERAL STATE, COUNTY, AND MUNICIPAL FOREST INDUSTRY	28.3 63.6		 1.4	3.2 14.4	23.7 39.3

^{1/} INTERNATIONAL 1/4-INCH RULE,

Table 25.--Net volume of growing stock on commercial forest land, by species and diameter class, Riverborder, Missouri, 1972 (Thousand cords)

					DIAMETER	CLASS (INCHE	S AT	BREAST HE	нЕІGНТ)				
SPECIES	ALL CLASSES :	5.9	7.0-	9.0- :	11.0- :	13.0- : 14.9 :	15.0-:	17.0- :	19.0- :	22.9 :	23.0- :	29.0- :	39.0+
SOFTWOODS: SHORTLEAF PINF CYPRESS EASTERN REDCEDAR	16.5 94.3 392.7	4.6	5.3	1 1 8 6 8	5.1	1.5 6.8 14.6	9.3	18.0	11.4	15.2	15.9	13.3	
TOTAL SOFTWOODS	503.5	6.7	145.4	89.8	39.9	55.9	14.5	18.0	11.4	15.2	15.9	13.3	3.5
HARDWOODS:													
SELECT WHITE DAKS	5839.5	364.8	777.3	1028.4	1339.9	1003.9	636.1	317.3	169.9	84.6	88.1	2.62	-
OTHER WHITE OAKS	1771.1	357.8	6-014	375.2	234.6	168.9	61.7	2.64	24.7	16.6	11.5	1	1
SELECT RED DAKS	1197.4	36.5	95.1	145.9	135.6	199.5	185.4	165.9	1.99	71.5	1.16	3.6	1
RED DAKS	2047.1	207.4	318.3	409.5	261.2	258.4	187.3	146.8	119.5	24.5	85.7	18.5	1
OTHER RED OAKS	193.1	36.4	45.9	19.4	23.2	12.0	1	33.0	13.4	4.3	2.2	m e	1
HICKORY A	975.7	166.4	172.6	146.5	159.5	142.5	74.2	57.0	20.5	18.1	6.8	11.6	1
HICKORY B	633.1	101.2	151.6	141.2	6.76	55.7	51.9	17.6	14.5	5.7	13.8		1
HARD MAPLE	9.062	57.4	71.2	78.6	53.5	20.1	5.3	4.5	-	-		1	
SOFT MAPLE	141.1	6.1	15.2	17.1	30.8	15.0	21.9	11.0	0.9	0.9	12.0	1	1
ВЕЕСН	3.7	-		1	1	1	3.7	1	1	-		1	
SWEETGUM	57.4	5.9	2.2	8.2	10.9	5.4	19.3	8.8	1	1	2.7	1	1
TUPELO+BLACKGUM	112.4	10.0	13.5	30.9	15.6	11.1	23.1	7.0	1	1	1.2	1	
ASH	571.1	79.5	108.0	116.6	105.4	24.4	30.9	19.7	5.6	10.7	26.0	14.3	8
SYCAMORF	4°06 4	14.8	20.1	33.9	39.3	57.7	36.8	53.4	34.0	9.65	70.8	20.0	-
COTTONWOOD	426.3	6.9	22.0	21.6	29.3	50.1	32.7	55.7	34.3	21.1	84.2	69.8	18.6
RIVER BIRCH	31.9	8.2	1.4	1	4.4	!	5.5	5.9	1	-		6.3	1
YELLOW-POPLAR	20.1	.7	1 . 4	1.8	5.4	1.2	-	1	1.6	-	1	В.0	
BASSWOOD	8.5	-	-	-	3.5	-	5.0	1	1	I	1	1	
BLACK WALNUT	275.7	18.2	63.7	37.7	48.0	55.3	34.9	7.4	10.5	1	1	1	1
BLACK CHERRY	32.2	6.8	1	1	7.8	12.7	6.4	1	-	1		-	1
FLM	334.1	70.1	63.7	68.2	57.9	13.2	16.0	19.8	5.0	1	5.5	6.8	7.9
OTHER HARDWOODS	6.746	16.0	9.76	180.2	197.1	189.4	109.7	9.69	25.7	11.7	10.9	1	1
TOTAL HARDWOODS	16380.4	1628.1	2508.7	2863.9	2861.0	2323.5	1522.3	1049.6	551.9	354.4	499.1	191.4	26.5
ALL SPECIES		1744.8	2651.1	2953.7	2900.9	2346.4	1536.8	1067.6	563.3	369.6	515.0	7.400	30.0

Table 26.--Net volume of sautimber on commercial forest land, by species and diameter class, Riverborder, Missouri, 1972 (Million board feet)

				DIAMFTER	CLASS (I	NCHES A	T BREAST	HEIGHT)			
SPECIES	. ALL :-	9.0-	11.0- :	13.0- : 14.9 :	15.0- : 16.9 :	17.0- : 18.9 :	19.0- :	22.9	23.0- :	29.0-:	39.0+
SOFTWOODS: SHORTLFAF PINF CYPRESS EASTERN REDCEDAR	1.6 34.4 58.2	35.9	1.1	7 y o	3.5	7.0	4 9 9	7.5	N	4.5	1.0
TOTAL SOFTWOODS	94.2	35.9	15.4	۲.8	5.6	7.0	4.6	٦.٦	5.8	4.5	1.0
HARDWOODS:	1362.6	1	,	'ہ ا		,	'	-	,	7.3	
OTHER WHITE OAKS	217.6	1	5.06	67.6	24.8	19.1	7.4	J. 0	3.8	0 1	0
SELECT RED DAKS	366.6	1	6	6	c	•			S		1
RED OAKS	436.5	1	3.	•	Ϊ,	6		٩,	0		1
OTHER RED DAKS	41.3	1	1.	۰ 4	- 1	ů.				1.3	1
	192.4	!	3			å					1
HICKORY B	87.6	!	9	ċ						8	1
HARD MAPLE	23.8	!	5.				0	-0	- 1	1	1
SOFT MAPLE	38.0	!	1.		8.3			7.4	3.9	1	1
BEECH	1.3	1	1	1		0	1	1	8	0	1
SWFETGUM	19.1	!						1		1	1
TUPEL0+BLACKGUM	54.4	1	ŝ	• 4			- 8	1	-	8	1
ASH	88.7	1	0	٠,				å	3°		1
SYCAMOPE	134.4	1		19.6			11.5	21.3	28.6	7。	1
COTTONWOOD	159.7	!	4	Ĉ		۰ 4	13.9		9	26.5	9.9
RIVER RIRCH	8°6	1	٥	1			1	1	0		1
YELLOW-POPLAR	4.6	1		• 5	1		٠.7	1			0
BASSWOOD	3.5			1	$\ddot{}$		1	1	1	1	1
BLACK WALNUT	51.7	1	e			3.2	2.7	1	1	1	1
BLACK CHERRY	8.8	1					1	1	1	1	1
FLR	45.0	1	-	4.5	5.7		1.4		1.3	1.9	9.
OTHER HARDWOODS	232.5	0				25.1	11.3	٥. ٢		1	1
TOTAL HARDWOODS	3546.9	:	1067.7	879.1	585.3	405.2	208.5	139.8	189.2	6.49	7.2
ALL SPECIES	3641.1	35.9	1083.1	887.8	6.065	412.2	213.1	145.5	195.0	4.69	8.2

1/ INTERNATIONAL 1/4-INCH RULE.

Table 27.--Net volume of growing stock on commercial forest land, by species and forest type, Riverborder, Missouri, 1972 (Million cubic feet)

SPECIES	: ALL : : FOREST: SHORTLEA : TYPES : PINE	بنا	: : EASTERN : EASTERN: REDCEDAR-: REDCEDAR: HARDWOOD	EASTERN : EDCEDAR-:SH ARDWOOD : P	: EASTERN : POST - :BLACK - : :REDCEDAR -: SHORTLEAF :BLACK JACK : SCARLET : :HARDWOOD : PINE - OAK : OAK :	POST- :ELACKJACK:	:BLACK- : :SCARLET: : OAK :		: :E WHITE:OAK-GUM-: OAK : CYPRESS:	:ELM-ASH-: COTTON-: WOOD	COTTON-:	MAPLF -: NON- BEECH :STOCKED	NON- TOCKE
SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR	1.3			7.5	1.0	0	117	1 1 0 4	5.3	2.1		w. 1 c	115
TOTAL SOFTWOODS	39.7		11.7	7.5	1.0	1.8	2.1	6.4	5.3	3.0	1	1.3	=
HARDWOODS:				i c									
OTHER WHITE DAKS	139.0	: :	_ ອີດ.	υ κ. Σ •	• I ህ I	96.2	15.0	368.2	4 • 5 	n	1 1	0 · · ·	1.1
SELECT RED DAKS	94.5	-) m	2 - 1	1	5.6	29.7	44.7	6.0	60.	1	5.3	:
RED DAKS	163.3	1	1.4	5.4	4.	15.4	92.7	39.3	4.7	3.5	1	3.5	-
OTHER RED DAKS	15.3	1	I T	1	1	2.5	6.3	2.3	5.6	1.6	1	1	1
HICKORY A	77.1	1	.3	1.4	٥.	3.3	55.4	31.5	3.4	6.2	-	5.1	.3
HICKORY B	50.1	1	ŀ	.5	e.	4.9	14.8	19.0	5.6	1.6	!	4.7	٠.
HARD MAPLE	23.1	1 !		1 1	1 1		2.5	12.3	\	0	1	ლ ი დ	
BEFCH	1 * T T	1 1		1		1 1	-) ·	• 1	0 1	1 1	L O	
SWEETGUM	4.5	-	!	1	1	1	1.6	1	9.	2.0	1	9 6	1
TUPELO+BLACKGUM	8.7	1	!	1	4.	1	1.9	1.5	4.2	4.	-	i *	1
ASH	45.1	-	-	1.3	-	1.5	6.3	12.2	5.4	20.5	• 1	ec.	-
SYCAMORE	34 • 1	-	.2	٠.	ł	1	4.8	1.3	1.0	19.8	1	6.3	1
COTTONWOOD	33.6	-	!	1	-	!	1		1	23.7	0.6	1	6.
RIVER BIRCH	2.5	-	!	1	1	1	1	-	6.	1.6	1	1	-
YELLOW-POPLAR	1.6	1	!	1	1	1	9.	• 5	1	1	1	v.	1
BASSWOOD	.7	1	1	!	1	!	1	1	!	1	-	٠ ٦	-
	21.8	-	• 1	!	1	2.0	4.4	5.8	ů.	5.5	1	3.5	1
BLACK CHERRY	5.6	1	1	-	1	•5	2.	9.	1	æ.	1	1	1
FLM	26.5	-	;	1.2	1	1.2	3.2	5.7	9.	7.4	1	7.2	1
OTHER HARDWOODS	76.5		•2	• 5	:	1.1	1.0	5.9	5.6	65.0	.2	3.0	-
TOTAL HARDWOODS	1294.1	:	4.8	19.1	1.8	135.0	265.8	578.1	38.3	179.2	6.3	60.0	2.7
ALL SPECIES	1333.8	-	16.5	56.6	2.8	136.8	267.9	583.0	43.6	182.2	9.3	61.3	3.8
											-	-	

Table 28.—Net volume of santimber on commercial forest land, by species and forest type, Riverborder, Missouri, 1972 (Million board feet) 1

MAPLE-: NON- BEECH :STOCKED	2.6	2.6	2.0		1	-	1	5.6	1		1	1	-	1	1		3.1	1	1	1	1	1	1	-	8.9	11.5
1	1.0	1.0	26.3	-	26.1	10.8	-	15.1	14.8	10.6	4.5	.7	٠,	-	1.0	26.5	1	1	1.4	3.5	7.6	!	19.1	7.3	175.7	176.7
COTTON-:	111	-	¦	-	!	1	1	1	ì	1	!	1	1	1	1	!	38.4		!	!	1	!	1	-	38.4	38.4
:ELM-ASH-: : COTTON-: : WOOD :	9.7	12.7	30.R	!	6.3	8.1	5.8	15.8	00	1	31.0	1	10.3	6 0	42.5	80.6	118.2	5.4	1	1	18.8	3.1	11.2	212.5	602.0	614.7
: WHITF:OAK-GUM-: OAK : CYPRESS:	24.7	24.7	15.2	1.7	29.7	24.3	10.0	13.6	5.4	1	2.8	!	5.9	14.4	1.8	6.2	1	4.4	1	:	1.3	!	1.6	2 • 0	140.3	165.0
WHITF: O	9.6	9.6	1061.5	55.4	159.9	105.6	7.5	77.9	35.1	10.5	!	!	!	1.3	26.5	4.1	!	!	1.8	!	11.5	1.3	4.2	5.1	1568.9	1578.5
:BLACK- : :SCARLET: : OAK :	1 1 4	7°7	176.8	46.0	113.1	242.6	16.7	65.4	55.9	2.7	1	9.	5.2	7.5	14.4	14.9	1	1	1.4	!	8°6	1.8	5.2	1	747.0 1568.9	751.4 1578.5
POST- :	1 1 4	0.4	26.4	105.0	23.5	32.5	1.6	6.	4.6	1	!	1	1	1	2.0	1	!	1	!	!	2.0	5.6	۲۰	1.0	206.1	210.1
: EASTERN : : POST- :BLACK-: :REDCEDAR-:SHORTLEAF:BLACKJACK:SCARLET: :HARDWOOD : PINE-OAK: OAK : OAK :	9	9•	2.3	1	1	1.6	1	1	1	!	!	!	:	7.	1	1	:	1	1	!	1	1	!	:	4.3	6°4
EASTERN : EDCEDAR-:SH ARDWOOD : P	13.4	13.4	17.0	7.6	7.1	8.6	!	1:1	٠.7	!	!	!	:	!	\$	2.1	;	!	1	!	!	1	0	œ •	45.5	58.9
: EASTERN AF:EASTERN :REDCEDAR- :REDCEDAR:HARDWOOD	21.2	21.2	4°5	.7	6.	5.4	;	1	1	1	1	:	1	!	1	1	!	1	1	1	.7	!	!	œ.	8*6	31.0
AF	111	1	;	1	1	;	1	1	1	1	1	;	-	1	1	1	1	1	;	1	1	;	;	1	-	
ALL : FOREST: SHORTLE TYPES : PINE	1.6 34.4 58.2	64.2	1362.6	217.6	366.6	436.5	41.3	192.4	87.4	23∙8	38.0	1.3	19.1	54.4	88.7	134.4	159.7	9°B	4.6	3.5	51.7	8.8	42.0	232.5	3546.9	3641.1
SPECIES	SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR	TOTAL SOFTWOODS	HARDWOODS: SELECT WHITE DAKS	OTHER WHITE OAKS	SELECT RED OAKS	RED DAKS	OTHER RED OAKS	HICKORY A	HICKORY B	HARD MAPLE	SOFT MAPLE	BEECH	SWEETGUM	TUPFL0+BLACKGUM	ASH	SYCAMORE	COTTONWOOD	RIVER BIRCH	YELLOW-POPLAR	BASSWOOD	BLACK WALNUT	BLACK CHERRY	ELM	OTHER HARDWOODS	TOTAL HARDWOODS	ALL SPECIES

1/ INTERNATIONAL 1/4-INCH RULE.

Table 29.--Net volume of timber in cull trees on commercial forest land, by species and cull tree class,
Riverborder, Missouri, 1972

(Million cubic feet)

SPFCIFS	:		:	SHORT-LOG : TREES 1/ :		
SOFTWOODS:						
CYPRESS		3.1		• 6	• 3	2.2
EASTERN REDCEDAR		13.0)	3.1	9.3	.6
TOTAL SOFTWOODS		16.1		3.7	9.6	2.8
HARDWOODS:						
SELECT WHITE DAKS		117.9		25.2	76.9	15.8
OTHER WHITE OAKS		60.0		7.3	43.5	9.2
SELECT RED OAKS		29.2		6.1	13.7	9.4
RED OAKS OTHER RED OAKS		46.1		8.7 2.5	27 • 1 12 • 1	10.3
HICKORY A		21.9		3.8	15.7	1.6
HICKORY B		13.3		2.1	9.6	1.6
HARD MAPLE		16.2		.7	12.1	3.4
SOFT MAPLE		5.9)	1.4	2.6	1.9
BEECH		1 • 1			• 8	• 3
SWEETGUM		1.7			1.2	.5
TUPFLO+BLACKGHM		4.5		1.5	1.8	1.2
ASH SYCAMORE		21.6		2.9	15.1	3.6
COTTONWOOD		2.6		•5	1.6 1.9	• 4
RIVER BIRCH		1.0			•5	• 5
YELLOW-POPLAR		• 1			• 1	
BASSWOOD		• 1				.1
BLACK WALNUT		10.2		2.6	6.3	1.3
BLACK CHERRY		2.0		• 4	1.2	. 4
FLM		27.9		3.5	19.6	4.8
OTHER HARDWOODS NONCOMMERCIAL SPP.		30.2		2.8	19.8	7 • 6
TOTAL HARDWOODS	1	433.2		72.6	284 • 1	76.5
ALL SPECIES	=	449.3		76.3	293.7	79.3

^{1/} VOLUMES ARE FOR TREES 9.0 INCHES D.B.M AND LARGER FOR SOFTWOODS AND 11.0 INCHES D.B.H. AND LARGER FOR HARDWOODS.

VOLUMES FOR ROUGH AND ROTTEN TREES ARE FOR TREES 5.0 INCHES D.B.H. AND LARGER

Table 30. -- Net volume of short-log trees on commercial forest land, by species and diameter class, Riverlygder, Missouri, 1972
(Million board feet)

	•0•		1	1	0	1	•2	1	!	0	1	ŧ	!	1	1	8	ı	1	6.	1	1.1	1.1
	29.0- : 38.9 : 39			1,3			2.1	1	1	۳,	1		!	!	0	• 5	1	!	1.2	e.3	8.2	8.2
	23.0- : 2	ω !	8	0.4	1	4.1	1.4	1.0	1	1	1	9.	!	1	!	1	1	!	1.0	e.3	12.4	13.2
HEIGHT)	21.0- : 22.9	7 - 1	7.	8 4	1	2.5	1.7	1	1	1	1	8	1	د .	1	1	1	1	.5	•3	10.1	10.5
BREAST	19.0- : 20.9	1 1	0	6.4		2.7	1.9	1	1	1	د	4.	1	.2	4.	د	1	1	4.	4.	11.9	11.9
(INCHES AT	17.0- : 18.9 :		1	7,	4.3	0	2.6	6°	.2	1	1	• 4	0	-2	!	1	1	1	.7	9.	15.4	15.4
CLASS (I	15.0- : 16.9 :	m	• 3	15.9	2°5	1.5	5.1	1	5.3	0	٥.	;	0	1	.2	0	1.5	1	.5	• 1	32.8	33.1
DIAMETER	13.0- :	: :		23.0	7	3.4	7.8	3.5	2.5	1.3	1	۳	0	••	1	1	6.	€,	• 4	٠,7	51.4	51.4
G	11.0- :	5.4	5.4	1 2		1.4			5.4		!	۳,	1.4			1	.2	0	• •	1.1	56.5	61.9
	9.0-:	1.4	11.8		6	!	ŧ	0	1	1	1	1	8	1	1	1	1	1	0	8	1	11.8
	ES	2.6	18.7	76.6	26.3	18.1	30.4	8.7	13.1	0.9	• 5	2 • 0	1 . 4	5.4	9.	& @	5.6	٣,	6.2	3.8	199.8	218.5
••	SPECIES	SOFTWOODS: CYPRESS EASTERN REDCEDAR	TOTAL SOFTWOODS	HARDWOODS:	OTHER WHITE OAKS	SELECT RED OAKS	RED DAKS	OTHER RED DAKS	HICKORY A	HICKORY B	HARD MAPLE	SOFT MAPLE	TUPELO+BLACKGUM	ASH	SYCAMORE	COTTONWOOD	BLACK WALNUT	BLACK CHERRY	FLM	OTHER HARDWOODS	TOTAL HARDWOODS	ALL SPECIES

1/ INTFRNATIONAL 1/4-INCH RULE.

Table 31.-Net volume of saxtimber on commercial forest land, by species and log grade class, Riverborder, Missouri, 1972

(Million board feet) $\frac{1}{}$

SPECIES			: LOG : :GRADE 2:	LOG : GRADE 3 :	TIE AND TIMBER
SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR	1.6 34.4 58.2	.1 5.0 .1	.3 6.7 .9	1.2 22.7 56.5	 . 7
TOTAL SOFTWOODS	94.2	5.2	7.9	80.4	. 7
HARDWOODS: SELECT WHITE OAKS OTHER WHITE OAKS SELECT RED OAKS RED OAKS OTHER RED OAKS HICKORY A HICKORY B HARD MAPLE SOFT MAPLE BEECH SWEETGUM TUPELO AND BLACKGUM ASH SYCAMORE COTTONWOOD RIVER BIRCH YELLOW-POPLAR BASSWOOD BLACK WALNUT BLACK CHERRY ELM OTHER HARDWOODS	88.7 134.4 159.7 9.8 4.6 3.5 51.7 8.8 42.0 232.5	7.8 82.9 34.3 1.8 23.7 2.4 1.3 3.7 4.9 3.8 46.8 28.0 3.4 5.8	24.9 103.9 120.1 3.4 35.0 14.1 1.8 20.4 3.7 5.7 39.3 34.3 26.9 2.4 1.6 1.0 16.3 9.4 35.6	127.0 154.7 189.4 8.8 71.9 37.4 11.5 7.5 4.5 7.3 44.5 46.5 88.2 1.8 1.7 2.3 28.4 7.2 21.7 67.8	260.7 57.9 25.1 92.7 27.3 61.8 33.7 10.5 8.8 1.3 7.2 6.5 1.1 6.8 16.6 2.2 .7 .2 1.6 7.6 102.2
TOTAL HARDWOODS	3,546.9	419.8	818.0	1,575.4	733.7
ALL SPECIES®	3,641.1	425.0	825.9	1,655.8	734.4

^{1/} INTERNATIONAL 1/4-INCH RULE.

Table 32.--Walnut volume on nonforest land, by diameter class and class of timber, Riverborder, Missouri, 1972

DIAMETER CLASS (INCHES AT BREAST HEIGHT)	: GROWING : : STOCK : : TREES :	SAWTIMBER TREES	ROUGH TREES	SHORT-LOG TREES	ROTTEN TREES
	THOUSAND CUBIC FEET	BOARD FEET 1/	THOUSAND CUBIC FEET	BOARD FEET 1/	THOUSAND CUBIC FEET
5.0-6.9			288.9		
7.0-8.9	721.1		658.4		
9.0-10.9	755.2				
11.0-12.9	271.0	2,018.8	198.3		161.1
13.0-14.9	728.1	3.849.9	375.7		
15.0-16.9	1,065.2	6,050.6	112.9	416.8	47.3
17.0-18.9					319.2
19.0-20.9	314.8	1,639.7			
21.0-22.9					47.0
23.0-28.9					111.9
29.0-38.9				900.1	
ALL DIAMETERS	3,855.4	13,559.0	1,634.2	1,316.9	686.5

^{1/} INTERNATIONAL 1/4-INCH RULE.

Table 33.--Net annual growth of growing stock and sastimber on commercial forest land, by species and county, Riverborder, Missouri, 1971

SS THOUSAND 17 6 12 124 12 124 13 130 14 177 18 21 18 21 18 21 18 21 18 21 19 99 19 99 19 12 10 379 10 379 10 379 10 3 371 10 3 371 10 3 371 10 3 371 10 3 371 10 3 371 10 3 371 10 3 3 580 3	SPECIES	: ALL COU : GROWING : STOCK	JNTIES : SAW- : TIMBER :	BOON GROWING: STOCK:	SA	ALL ING CK	AWAY : SAW- : TIMBER :	GIING		GROWING STOCK	SA
TWOODS: THER WITE CAKS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS THER WITE CAKS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL WARDWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL SOFTWOODS TOTAL WARDWOODS TOTA		CORDS	HOUSAN D. FT.	\sim	HOUSAN D. FT.	S S	HOUSAN D. FT.	CORDS	THOUSAND BD. FT. 1/	CORDS	THOUSAND BD. FT.1/
DWOODS: ELECT WHITE OAKS ELECT WHITE OAKS THER WHITE OAKS THE WHITE OAKS THER WHITE OAKS THE HARDWOODS TO TOTAL OAKS THER WHITE OAKS THE HARDWOODS TO TOTAL OAKS THE OAKS	: AF PINE REDCEDA	1,004 2,598 15,079	14 99 2,26	L 14	10	2 -	1 9	17	80	739	3 123
DWOODS: THE DAKS 111,832 21,846 5,306 1,025 8,999 1,72 ELECT WHITE DAKS 35,847 8,690 1,269 124 2,197 21 ELECT RED DAKS 35,847 8,690 1,269 1,269 1,286 78 ED OAKS 55,040 0,856 2,532 466 4,286 78 ED OAKS 55,040 0,856 2,532 466 4,286 78 THER RED DAKS 57,458 4,431 1,244 177 2,109 29 TCKORY A 13,090 1,529 578 59 981 39 ARD MAPLE 6,267 1,496 56 78 59 981 29 ARD MAPLE 6,267 1,496 56 56 17 21 409 29 ARD MAPLE 6,267 1,496 56 1,623 1,623 15 21 21 21 22 21 21 22 21 22 32 32 32 32 32 32 32 32	TOTAL SOFTWOODS	18,681	4	LO.	က	17		548	85	748	126
TOTAL HARDWOODS 413,934 81,769 18,745 3,580 30,138 5,56 SPECIES 432,615 85,176 19,604 3,710 31,313 5,73	ARDWOODS: SELECT WHITE OTHER WHITE SELECT RED SELECT RED OTHER BIRCH VELOW-POPL BASSWOOD RIVER BIRCH VELOW-POPL BASSWOOD OTHER HARDW	ω $ +$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	22, 24 24, 25 24, 25 24, 25 25, 25 26, 25 27, 27, 25 27, 27, 27 27, 27	00000000000000000000000000000000000000	20144 L 20122 C 2012 C	0008840804 000	, 0,000 0,00	5,326 1,19455 1,04556 1,0455 1,0455 1,046	1,063 1,063 1,004 1,009 1,00 1,00	3,595 1,167 1,760 1,760 8213 8213 158 158 147 17 17 17 179	686 3275 321 323 321 33 34 136 14 14 156 17 248
SPECIES 432,615 85,176 19,604 3,710 31,313 5,73	TOTAL HARDWOODS	13,93	1,76	74	58	0,13	, 56	16,275	3,224	4	,26
	- 1	32,61	5,17	9,60	,7	1,31	,73	16,823	3,309	13,230	2,386

SPECIES :	100			UVE IN	2000					KOCK
D 1	GROWING		2 X	SAW- : TIMBER :	ING	SAW- TIMBER	GROWING	ē	. S ×	
D T N	CORDS	THOUSAND BD. FT.1/	CORDS	THOUSAND BD. FT.1/	CORDS	THOUSAND BD. FT.1/	CORDS	THOUSAND BD. FT.1/	CORDS	THOUSAN BD. FT.
REDCE	642	244	231	42 270	1,093	158	12	8 - 4	23	275
TOTAL SOFTWOODS	642	244	2,029	312	1,110	163	267	86	1,858	282
HARDWOODS: SELECT WHITE OAKS	408	74	6.0	- (00,	2	9	561	,69	00 1
SELECT RED OAKS	34	117	2,651	287 993	2,117	205 640	634 938	9 2	2,575	268 925
RED OAKS	829	205	, 95	9	95	4	6	263	, 45	9
UINER KED OAKS HICKORY A	431	120	99	/	46 95	\sim	9	/	5 6 6 8 8 8	90
HICKORY B	149	25	35	5	92	6	0	33	3	4
HAKU MAPLE SOFT MAPLE	1,011	224	63 0	51 29	യഹ	30	$\sim \sim$	10	54 6	2 4 4
ВЕЕСН	3	_	;	-	1		1	1	1	-
SWEETGUM HIDTIO AND DIACKOUS	273	57	5	34	36	23	17	_	3	21
IUPELO AND BLACKGUM ASH	415	70	٦-	<i>y</i> ~	200	- ~	m <	51	2 4	27
SYCAMORE	801	271	6	099	1,204	356	709	211	00	469
COLLONWOOD	1,083	9	,32	0	64	0	2	4	99	0
KIVEK BIRCH VELLOW-BOBLAB	177	52	82	28	45		19	7	52	_
ζ	ט ו שוי	-	3 0	2 6	4 L				200	
BLACK WALNUT	30	00	676	2]	43.8		185		587	
BLACK CHERRY		-	_	20	-)		2	
ELM OTHER HARDWOODS	3,770	873	559	37	356	23	165 952	214	481	32
TOTAL HARDWOODS	10,427	2,597	42,579	8,112	27,362	4,930	10,225	1,965	36,689	6,717
ALL SPECIES	11,069	2,841	,60	,42	8,47	0	, 79		8,5	6,999

(Table 33 cont. on next page)

1,601 206 697 759 273 273 22 22 22 22 27 27 27 27 23 470 306 SAW-TIMBER THOUSAND 215 220 5,438 2 5,218 3D. FT. OSAGE GROWING: STOCK: 23 498 15 429 ,822 8,295 2,108 2,828 4,101 1,953 1,953 365 1,485 1,564 1,564 488 CORDS 1,490 1,504 28,170 29,674 THOUSAND BD. FT. 1/ G: SAW-: TIMBER 133 133 2 887 2,324 40 18 18 48 20 20 66 10 28 26 26 70 178 513 2,191 : NEW MADRID : GROWING: SAW : STOCK : TIMB 345 345 252 16 121 250 67 200 36 ,013 114 148 379 631 631 228 8,945 9,290 CORDS THOUSAND BD. FT.1/ G: SAW-3,630 2 125 30 3,760 MONTGOMERY GROWING: SAW STOCK: TIMB 14 --699 713 1,256 1,256 1,585 2,388 2,388 1,197 1,197 229 49 62 987 1,460 1,226 1,226 13351 CORDS 314 18,413 9,126 THOUSAND BD. FT. 1/ GROWING: SAW-STOCK: TIMBER 1,484 1,565 က 78 8 2,414 6902 1,339 1,170 611 20 20 CORDS 550 559 40 478 437 169 10 170 170 1144 524 545 9,104 6 ω, THOUSAND BD. FT. 1/ 32 11 14 10 57 10 231 : SAW-: TIMBER 25 125 20 28 28 67 67 508 34 2,015 2,140 GROWING: SAW-STOCK: TIMBE 206 16 93 214 45 156 32 88 183 365 451 112 169 8,225 321 CORDS 8,546 321 HARDWOODS:
SELECT WHITE OAKS
OTHER WHITE OAKS
SELECT RED OAKS
RED OAKS
OTHER RED OAKS
HICKORY A
HICKORY B
HARD MAPLE
SOFT MAPLE
SOFT WAPLE
SUMETGUM
TUPELO AND BLACKGUM
ASH TOTAL HARDWOODS TOTAL SOFTWOODS SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN RECEDAR ELM OTHER HARDWOODS SYCAMORE COTTONWOOD RIVER BIRCH YELLOW-POPLAR BASSWOOD SPECIES (Table 33 cont.) BLACK WALNUT BLACK CHERRY SPECIES ASH ALL

cont. on next page)

Table 33

FT . 1/ STE. GENEVIEVE GROWING: SAW-THOUSAND 605 189 654 749 48 257 257 29 14 4,390 27 108 280 84 22 22 10 24 80 TIMBER 4] 171 4,561 BD. STOCK 8,294 1,952 2,689 3,891 447 1,880 356 1329 1,329 951 291 27 494 1,011 505 347 CORDS 25,103 26,608 1 4 SAW-TIMBER THOUSAND BD. FT. 657 688 292 292 115 115 2 21 7 7 321 268 13 86 21 283 2,611 2,520 9.1 ST. LOUIS GROWING: 3,266 1,013 1,484 1,484 763 341 170 48 STOCK 632 33 42 626 048 860 36 649 211 089 12,072 CORDS 12,721 THOUSAND BD. FT.1/ 1,022 334 334 172 58 22 22 22 60 147 651 110 37 : TIMBER SAW-514 85 604 06 CHARLES BD. 4, 4, GROWING: STOCK CORDS 5,070 1,414 1,970 1,970 1,100 471 261 528 91 926 926 074 ,049 545 307 20,205 20,750 22 20 THOUSAND BD. FT.1/ TIMBER SAW-105 3,598 3,703 00 GROWING: STOCK CORDS 6,124 1,189 1,807 2,603 2,899 1,301 605 274 41 663 739 9,655 18,916 23 THOUSAND BD. FT. 1/ TIMBER SAW-255 31 435 34 7 5 676 1,819 24 32 1 1 51 51 64 8 186 1,943 i 24 PEMISCOT GROWING 104 172 309 509 1,221 117 STOCK CORDS 325 325 1952,850 166 238 40 198 71 --7,414 7,739 BLACKGUM HARDWOODS:
SELECT WHITE OAKS
OTHER WHITE OAKS
SELECT RED OAKS
RED OAKS
OTHER RED OAKS
OTHER RED OAKS
HICKORY B
HICKORY B
HARD MAPLE
SOFT MAPLE
SOFT MAPLE
SOFT MAPLE
SOFT WAPLE
TOTAL SOFTWOODS TOTAL HARDWOODS SHORTLEAF PINE CYPRESS EASTERN REDCEDAR (Table 33 cont.) SPECIES SPECIES SOFTWOODS: ALL

page)

cont. on next

Table 33

(Table 33 cont.)						
SPECIES	GROWING :	OTT SAW- TIMBER	STOCK :	DARD SAW- TIMBER	MARRI GROWING: STOCK:	SAW- TIMBER
	CORDS	THOUSAND BD. FT. I/	CORDS	THOUSAND BD. FT.1/	CORDS	THOUSAND BD. FT.1/
SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR	168	64	797	306	14 961	5 - 162
TOTAL SOFTWOODS	168	64	797	306	975	167
HARDWOODS: SELECT WHITE OAKS OTHER WHITE OAKS SELECT RED OAKS RED OAKS RED OAKS HICKORY A HICKORY B HARD MAPLE SOFT MAPLE SOFT MAPLE SUEETGUM TUPELO AND BLACKGUM ASH SWEETGUM TUPELO AND BLACKGUM ASH SYCAMORE COTTONWOOD RIVER BIRCH YELLOW-POPLAR BASSWOOD BLACK WALNUT BLACK WALNUT ELM	1,064 1,632 1,632 851 851 611 27 306 149 259 331 271 1,151	25 10 10 10 10 10 10 10 10 10 10 10 10 10 1	2,117 1,238 3,699 3,699 1,101 1,101 1,327 1,327 1,327 1,066 200 348 497 497 497 497 497 497 497 497 497 497	477 477 891 891 195 100 100 100 100 100 100 100 100 100 10	7,104 1,438 2,987 2,987 1,526 1,526 1,146 1,146 1,454 1,146 1,146 1,146 1,339 2,046	1,384 503 503 576 226 77 77 77 131 131 131 131 100 100 100 100 100 100
TOTAL HARDWOODS	8,548	1,949	21,275	4,989	23, 181	4,501
ALL SPECIES	8,716	2,013	22,072	5,295	24,156	4,668

INTERNATIONAL 1/4-INCH RULE.

Table 34.--Timber removals from growing stock and sautimber on commercial forest land, by item and species group, Riverborder, Missouri, 1971<u>1</u>

ITEM	ALL : SPECIES:	SHORTLEA	GROWING STOCK F: OTHER : :SOFTWOOOS:H	OWING STOCK OTHER: SOFT: HARD: ALL SOFTWOOOS:HAROWOOOS:SPECI	: HAROWOOOS	ES	SHORTLEAF		SAWTIMBER OTHER : SOFT : HARD SOFTWOOOS:HARDWOODS	HARD HAROWOODS
			CORDS				THOU	THOUSAND BOARD	FEET2/	
ROUNDWOOD PRODUCTS:	171	690	0,70	113 03	300	000	000	c	002	1000
COOPERAGE LOGS	41,051	706	, i	316	40.735	19.491	ب ا د ر	706	30,700	19,365
VENEER LOGS	3,278	1	;	1,772	1,506	1,182	ı	1	619	563
PULPW000	3,291	1	-	2,354	937	1,158	1	1	820	338
POSTS	975	51	9 /	566	582	218	m	2	29	143
CHARCOAL WOOD	6,266	1	-	25	6,241	732	1	!	2	730
FUELWOOO	18,417	;	203	1,924	16,290	3,438	1	37	339	3,062
MINE TIMBERS	418	1	:	-	418	37	1	:	i i	37
HANOLE BOLTS , ,	1,126	-	1	8	1,126	435	1	-	9	429
MISCELLANEOUS3/	811	1	1	13	798	349		1	5	344
ALL PRODUCTS	166,804	1,013	1,242	67,281	97,268	69,544	442	424	32,684	35,994
LOGGING RESIOUES OTHER REMOVAL	29,911	101	258,456	8,417	21,368	4,159	12	1,784	1,266	2,877
TOTAL REMOVALS	450,082	1,114	9,723	141,462	297,783	115,392	454	2,212	45,696	67,030

1/ See glossary for timber removals from growing stock (page 5). $\frac{2}{2}/$ International 1/4-inch rule. $\frac{3}{3}/$ Includes shaving wood, heading bolts, etc.

Table 35.--Timber removals from growing stock and sattimber on commercial forest land, by species and county, Riverborder, Missouri, $1971\frac{1}{2}$

IMBER	HOUSAND	1 1 6	19	855 206 281 20 720 720 118 145 145 153 153	917	936
OLE SAWT	THOUS BD.				2,9	2,5
GROWING STOCK	CORDS	63	63	3,419 1,270 1,786 1,786 1,73 1,73 1,000 1,000 1,100 1,106	11,653	11,716
GIRARDEAU SAWTIMBER	THOUSAND BD. FT. 2/	:::		2,260 92 91 814 814 61 554 276 283 283 283 283 376 231 376 377 376 377 378 378 378 378	7,121	7,121
CAPE G GROWING: STOCK:	CORDS	:::		7,347 2,780 3,780 3,633 3,633 1,8265 1,082 1,082 759 759 1,182 1,182	24,052	24,052
AWAY SAWTIMBER	THOUSAND BD. FT.2/		17	2,54 108 499 499 738 71 11 11 11 11 11 11 11 11 11 11 11 11	5, 328	5,345
GROWING: SAW	CORDS		51	8,396 3,593 3,518 3,618 226 1,272 1,272 1,835 1,835 1,835	22,193	22,244
VTIMBER	THOUSAND BD. FT.2/	:::		1,072 2,46 3,44 2,55 3,11 3,77 2,27 2,34 3,6 3,6 3,6 3,6 3,6 3,6 3,6 3,6 3,6 3,6	3,674	3,674
BOONE GROWING:SAU	CORDS	:::		4,509 1,707 2,368 2,368 3,77 1,190 1,291 1,557 1,591 1,591 1,591 1,591 1,591	15,597	15,597
UNTIES	THOUSAND BD. FT. 2/	454 1,965 247	2,666	8,000 88 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	112,726	115,392
ALL CO GROWING: STOCK:	CORDS	1,1148,887836	10,837	122,466 6,954 44,135 18,5212 18,863 15,803 3,152 7,190 21,699 14,584 44,253 2,620 1,734 1,734 1,734 1,734 1,736 1,	439,245	450,082
SPECIES		SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR	TOTAL SOFTWOODS	HARDWOODS: SELECT WHITE OAKS OTHER WHITE OAKS SELECT RED OAKS RED OAKS OTHER RED OAKS OTHER RED OAKS HICKORY A HICKORY B TUPELO AND BLACKGUM ASH COTTONWOOD RIVER BIRCH YELLOW-POPLAR BASSWOOD BLACK WALNUT BLACK WALNUT BLACK WALNUT BLACK CHERRY ELM OTHER HARDWOODS	TOTAL MARDWOODS	ALL SPECIES

GROWING: SAWTIMBER STOCK: THOUSAND BD. FT. 2/ 7,405 1,264 1,266 166 166 188 183 183 101 101 101 207 224 --64 12,166 12,230 JEFFERSON 21,723 5,003 6,580 7,003 1,4680 1,467 CORDS 203 203 42,624 42,827 GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 930 38 38 170 17 27 27 27 14 124 466 575 30 30 --1 3,251 3,251 HOWARD 2,961 848 1,167 1,59 159 159 77 CORDS 553 ,013 ,367 ,76 ,25 ,253 ,400 $\begin{smallmatrix} 1&&1&&1\\1&&1&&1\end{smallmatrix}$ 10,934 10,934 GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 195 15 951 5,076 087 GASCONADE CORDS 8,099 3,056 4,109 297 535 277 214 63 ,081 25 ,051 619 25 ,372 25 51 22,347 ď 1,694 614 831 58 147 75 67 GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 68 322 54 ,342 281 373 6,098 991,9 93 FRANKLIN 8,170 305 4,132 5,358 371 828 421 355 CORDS 215 1,692 114 2,886 215 266 1,199 989 28,774 28, GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 3,152 2,698 454 454 DUNKL IN 1,114 209 431 2,450 54 50 50 50 853 13 853 13 CORDS 2,179 2,179 15,882 13,703 4 BLACKGUM HARDWOODS:
SELECT WHITE OAKS
OTHER WHITE OAKS
SELECT RED OAKS
RED OAKS
OTHER RED OAKS
HICKORY A
HICKORY A
HICKORY B
HARD MAPLE
SOFT MAPLE
SUETGUM
TUPELO AND BLACKGUM
ASWETGUM
TUPELO AND BLACKGUM
ASWETGUM
TUPELO AND BLACKGUM
SWETGUM
TUPELO AND BLACKGUM
ASWETGUM
SUETGUM
TUPELO AND BLACKGUM
SUETGUM
TUPELO AND BLACKGUM
ASWETGUM
SUETGUM
TUPELO AND BLACKGUM
BLACK WALNUT
BLACK CHERRY
ELM
OTHER HARDWOODS SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR TOTAL SOFTWOODS TOTAL HARDWOODS (Table 35 cont.) SPECIES SPECIES ALL

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Table

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1,977 86 500 664 47 111 111 57 438 ---101 101 148 284 GROWING: SAWTIMBER THOUSAND BD. FT.2/ 5,752 39 39 5,791 OSAGE 8,056 3,040 4,184 4,184 303 316 510 937 1,438 1,013 1,076 CORDS 775,868 127 24,456 24,583 127 GROWING: SAWTIMBER STOCK : THOUSAND BD. FT. 2 273 23 218 373 2,946 257 117 22 68 68 43 363 146 15 245,096 6,337 6,594 257 821 38 920 1,103 6,785 768 141 337 204 908 538 42 CORDS 1,157 1,0424,943 1,157 20,461 21,61 MONTGOMERY GROWING: STOCK : SAWTIMBER THOUSAND BD. FT.2/ 1,626 71 246 336 27 76 37 25 25 146 59 1,259 4,374 1 1 1 57 52 4,374 7,143 1,762 2,483 2,483 194 551 127 38 827 127 2,696 CORDS 637,469 8,735 8,735 GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 180 457 414 6 505 742 32 32 210 15 22 22 11 14 505 2, MONITEAU 2 2,601 934 1,336 151 79 61 190 659 1,000 13 CORDS 9,130 9,130 165 205 1 1 1 .. MISSISSIPPI GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 356 147 6,498 6,854 356 CORDS 1,308 1,308 1,406 280 338 224 1,736 648 286 873 873 76 983 740 6,823 695 21,400 20,092 HARDWOODS:
SELECT WHITE OAKS
OTHER WHITE OAKS
SELECT RED OAKS
NEED OAKS
OTHER RED OAKS
OTHER RED OAKS
HICKORY A
HICKORY A
HICKORY B
HARD MAPLE
SOFT MAPLE ١... SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR TOTAL SOFTWOODS TOTAL HARDWOODS ELM OTHER HARDWOODS (Table 35 cont.) SPECIES SPECIES ALL

(Table 35 cont. on next page)

STE. GENEVIEVE GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 2,108 702 702 702 133 133 144 144 156 109 109 109 109 10 25 549 489 090 9 é, 7,662 3,330 4,8514 4,851 974 974 11,133 11,1 CORDS 1,114 1,266 23,898 25,164 ST. LOUIS GROWING:SAWTIMBER STOCK: THOUSAND BD. FT.2/ 2,898 902 1 1 4 4 2 CORDS 1,819 1,315 1,746 1,32 189 189 291 591 962 ,443 473 642 2.5 25 215 0,667 0 ST. CHARLES GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 858 33 216 290 23 42 23 27 440 210 462 048 3 141 6,484 6,484 CORDS 3,391 1,432 1,789 1,789 267 136 131 144 990 1,000 6,544 670, 392 1 1 1 20,753 20,753 GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 6,027 6,027 2 PERRY CORDS 564 298 629 21,659 GROWING: SAWTIMBER STOCK: THOUSAND BD. FT.2/ 1,802 223 223 2,025 PEMISCOT CORDS 1,069 704 8,954 1,069 10,023 3 BLACKGUM HARDWOODS:
SELECT WHITE OAKS
OTHER WHITE OAKS
SELECT RED OAKS
RED OAKS
OTHER RED OAKS
HICKORY A
HICKORY A
HICKORY B
HARD MAPLE
SOFT MAPLE
SUEETGUM
TUPELO AND BLACKGUM
ASWETGUM
TUPELO AND BLACKGUM
ASWETGUM
TUPELO AND BLACKGUM
ASWETGUM
SWEETGUM
TUPELO AND BLACKGUM
ASWETGUM
SUELLOW-POPLAR
BASSWOOD
BLACK CHERRY
ELM
OTHER HARDWOODS TOTAL SOFTWOODS TOTAL HARDWOODS REDCEDAR SOFTWOODS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR SPECIES SPECIES ALL

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35 cont.

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(Table 35 cont.)

(Table 35 cont.)		TTOOS	OTO.	CTONDADD	11.0	MODEN
SPECIES	GROWING:	SAWTIMBER	GROWING: STOCK:	SAWTIMBER	GROWING: STOCK:	SAWTIMBER
	CORDS	THOUSAND BD. FT.2/	CORDS	THOUSAND BD. FT.2/	CORDS	THOUSAND BD. FT.2/
SOFTWOODS: SHORTLEAF PINE CYPRESB EASTERN REDCEDAR	526		2,623	551	111	111
TOTAL SOFTWOODS	526	114	2.623	5,51		• 1
HARDWOODS: SELECT WHITE OAKS	2,934	471		782	6,505	1,933
OTHER WHITE OAKS	549	88	1,115	157		
SELECI RED OAKS	9 -	349	•	437	2,014	295
OTHER RED DAKS	<u>,</u> _	735	•	302	• • •	n α
HICKORY A	` ۵	273	•	600	360	7 rc 7 rc
HICKORY B	. ~	84	•	97	185	28
HARD MAPLE	97	30	25	6	177	34
SOFT MAPLE	227	97	359	142	127	62
BEECH AMPETGIN	139	52	101	30 /	1	1
TIPELO AND BLACKGIM	† -	050	1,909	4 0 4		. 1
ASH	4	116	1,375	298		177
SYCAMORE	553	193	•	289	;	;
COTTONWOOD	494	224	190	7.7	3,013	1,403
RIVER BIRCH	25	15	38	14	;	
YELLOW-POPLAR	468	213	228	106	:	:
BASSWOOD	1	:	!	:	1 1	1 1
BLACK WALNUT	;	:	1	1	177	
BEACK CHERRY	1	:	1		:	1
Σ:	1,359	486	1,415	380	617	139
OTHER HARDWOODS	55	er i	,43	က	1,961	~
TOTAL HARDWOODS	17.617	4,419	31,830	6.231	19,141	5,010
ALL SPECIES	18,143	4,533	34,453	6,782	19,141	5,010

1/ See glossary for timber removals from growing stock (page 5). $\overline{2}/$ International 1/4-inch rule.

Table 36.--Annual mortality of growing stock and sawtimber on commercial forest land, by cause and softwoods and hardwoods, Riverborder, Missouri, 1971

CAUSE	111	OWING STO	CK HARDWOODS	: ALL : :SPECIES:	SAWTIMB SOFTWOOD	ER S:HARDWOODS
	THOUSAN	ID CUBIC	FEET	THOUS	AND BOAR	D FEET1/
DISEASE	952		952	2,127		2,127
WEATHER	446		446	1,670		1,670
SUPPRESSION	45		4 5			
UNKNOWN AND OTHER	758		758	2,296		2,296
LOGGING	165		165	849		849
ALL CAUSES	2,366		2,366	6,942		6,942

^{1/} INTERNATIONAL 1/4-INCH RULE.

Table 37.--Annual mortality of growing stock and savtimber on commercial forest land, by species, Riverborder, Missouri, 1971

SPECIES	GROWING STOCK	SAWTIMBER
	THOUSAND CUBIC FEET	THOUSAND BOARD FEET 1/
HARDWOODS: SELECT WHITE OAKS OTHER WHITE OAKS SELECT RED OAKS RED OAKS OTHER RED OAKS SOFT MAPLE ASH COTTONWOOD BLACK WALNUT BLACK CHERRY ELM OTHER HARDWOODS	159 79 147 71 109 104 164 435 147 52 457	126 88 527 375 483 159 477 2,385 705 694 923
TOTAL HARDWOODS	2,366	6,942

^{1/} INTERNATIONAL 1/4-INCH RULE.

Table 38.--Output of timber products by source of material and softwoods and hardwoods, Riverborder, Missouri, 1969

PRODUCT AND SPECIES	: STANDARD : UNIT1/	Т	OTAL	GROW	ING STOCK	PRODUCTS: NONGROW	ING STOCK		LANT RODUCTS
GROUP	: 0111-	NO. OF UNITS	M CU. FT.	NO. OF UNITS	M CU. FT.	NO. OF UNITS	M CU. FT.	NO. OF UNITS	M CU. F
SAW LOGS: SOFTWOOD HARDWOOD	M 8D. FT.	829 51,056	152 8,393	829 42,827	152 7,050	8,229	1,343	• •	
TOTAL	5	51,885	8,545	43,656	7,202	8,229	1,343		
VENEER LOGS: SOFTWOOD HARDWOOD	M 8D. FT.	1,520	336	1,168	259	352	77		
TOTAL		1,520	336	1,168	259	352	77		
COOPERAGE LOGS: SOFTWOOD HARDWOOD	M 8D. FT.	21,758	 3,581	19,703	3,243	2,055	338		
TOTAL		21,758	3,581	19,703	3,243	2,055	338		
PULPWOOD: SOFTWOOD HARDWOOD	STD. CORDS	32,737	2,570	3,428	260	1,688	128	27,621	2,182
TOTAL		32,737	2,570	3,428	260	1,688	128	27,621	2,182
MINE TIMBERS: SOFTWOOD HARDWOOD	M CU. FT.	45	 45	33	33		12		
TOTAL		45	45	33	33	12	12		
POSTS: SOFTWOOD HARDWOOD	M PIECES	26 187	14 89	18 140	10 67	8 47	4 22		
TOTAL		213	103	158	77	55	26		
CHARCOAL WOOD: SOFTWOOD HARDWOOD	STD. CORDS	14 22,899	1 1,586	7,148	495	15,365	1,064	14 386	27
TOTAL		22,913	1,587	7,148	495	15,365	1,064	400	28
OTHER: <u>2</u> / SOFTWOOD HARDWOOD	M CU. FT.	27 1,029	27 1,029	153	153	 9_	 9	27 867	27 867
TOTAL		1,056	1,056	153	153	9	9	894	894
FUELWOOD: SOFTWOOD HARDWOOD	STD. CORDS	845 85,562	51 5,559	268 22,150	16 1,439	516 47,166	31 3,064	61 16,246	1,056
TOTAL		86,407	5,610	22,418	1,455	47,682	3.095	16,307	1,060
ALL PRODUCTS: SOFTWOOD HARDWOOD	M CU. FT.	245 23,188	245 23,188	178 12,999	178 12,999	35 6,057	35 6 057	32 4,132	32 4,132
TOTAL		23,433	23,433	13,177	13,177	6,092	6,092	4,164	4,164

1/ M (MEANING THOUSAND) 80ARD FEET 8Y INTERNATIONAL 1/4-INCH RULE. CORDS ARE ON ROUGH WOOD, 128-CUBIC-FOOT BASIS. 2/ OTHER (INDUSTRIAL PRODUCTION) INCLUDES HANDLE 80LTS, SHAVING 80LTS, HEADING STOCK, ETC.

Table 39. -- Forest products harvested by ownership class and product, Riverborder, Missouri, 1969

OWNERSHIP : CLASS :		COOPERAGE:		: PULP- : WOOD	: CHARCOAL : WDDD	POSTS		: MINE :TIMBERS		:MISCEL- :LANEOUS
	BD. FT. 1/	BD.FT.1/	8D.FT.1/	cords2/	CDRDS2/	M PIECES	CDRDS2/	CU.FT.	8D.FT.1/	<u>CU.FT</u>
FEDERAL: NATIONAL FOREST: SOFTWOODS HARDWDDDS	4 89									
TOTAL	93									
STATE: SDFTWOODS HARDWOODS	224	43			 4 D	8				
TDTAL	224	43			4 D	8				
PRIVATE: FARM AND DTHER: SOFTWDODS HARDWOODS	825 5D,743	21,715	1,520	5,116	22,473	18 187	784 69,316	 4 5	622	64
TDTAL	51,568	21,715	1,520	5,116	22,473	2D5	70,100	45	622	64
ALL OWNERS: SOFTWOODS HARDWDDDS	829 51,D56	21,758	1,520	5,116	22,513	26 187	784 69,316	45	622	 64
TDTAL	51,885	21,758	1,520	5,116	22,513	213	70,100	45	622	64

^{1/} INTERNATIONAL 1/4-INCH RULE. 2/ STANDARD CORDS, ROUGH WOOD BASIS.

Table 40.--Volume of primary plant residue, by kind of material and type of use, Riverborder, Missouri, 1969
(Thousand cubic feet)

COURCE INDUCTOR	:						OF USE			
SOURCE INDUSTRY AND KIND OF	:FIBER1/:	CHAR	COAL	:	FUEL	2/	: OTH	IER3/	: NOT	USED4/
RESIDUE	: HARD- : WOODS :	SOFT- : WOODS :			SOFT- : WOODS :		: SOFT- : WOODS		: SOFT- : WOODS	: HARD- : WOODS
LUMBER:										
COARSE	1,497	1	6		2	265	2	10	13	544
FINE					2	267	25	475	4	881
TOTAL	1,497	1	6		4	532	27	485	17	1,425
ALL OTHER:										
COARSE	479		21			515				97
FINE	206					9		382		1,212
TOTAL	685		21			524		382		1,309
ALL INDUSTRIES:										
COARSE	1,976	1	27		2	780	2	10	13	641
FINE	206				2	276	25	857	4	2,093
TOTAL	2,182	1	27		4	1,056	27	867	17	2,734

^{1/} FOR MANUFACTURE OF PULP, HARDBOARD, OR ROOFING FELT.
2/ ALL RESIDUE USED FOR INDUSTRIAL OR DOMESTIC FUEL WHETHER SOLD OR GIVEN AWAY.
3/ INCLUDES USES SUCH AS LIVESTOCK BEDDING, MULCH, SMALL DIMENSION, AND SPECIALTY

^{4/} INCLUDES RESIDUE BURNED AS WASTE.

Table 41.--Timber products output from roundwood, by species and product, Riverborder, Missouri, 1969

SPECIES	SAW LOG	S	VENEER	L06S	COOPERAG	E LOGS	CHARCOAL	L WOOD	: OTHER 3/	: ALL : PRODUCTS
	BD. FT. 1/	CU. FT.	80. Fr. 1/	CU. FT.	8D. FT. 1/	CU. FT.	CORDS2/	CU. FT.	CU. MFT.	CU. FT.
SOFIWOUSS: SHORTLEAF PINE CYPRESS EASTERN REDCEDAR OTHER SOFTWOODS	439 135 214 41	76 24 45 7	::::	::::	::::	::::	::::	::::	54	882 999 7
TOTAL SOFTWOODS	829	152	:				1	1	19	213
HARDWOODS:										
WHITE OAKS	2,541	455	45	10	21,568	3,552	00,	978	9	9
RED UAKS	4,884	∞ c		:		:	4, 0,0	~ u	\supset 0	, s
HICKORY	1,169	1,203	213	48	 -	: ;	1,927	132	314	069
HARD MAPLE	16	26	1) 1		1	1	! !		2
	က်	574	56	9	10	_	2	-	92	673
ВЕЕСН		42	:	1	;	:	:	;	က	4
SWEETGUM	1,453	230	28	9	101	17		:	:	253
TUPELO AND BLACKGUM		09	:	:	:	:	25	_	:	9
ASH	1,333	229	:	;	10	_		4	160	394
SYCAMORE	5,513	∞	80	18	6	_		_	_	90
COTTONWOOD	18,295	2,821	465	106	10	_	:	:	206	\sim
RIVER BIRCH	133	19	:	:	10	_	;	;	4	24
YELLOW-POPLAR	879	138	20	4	:	1	1	1	:	142
BASSWOOD	22	က	:	1	1	-		!	!	m
BLACK WALNUT	1,313	289	643	138	:	:	12	;	:	427
BLACK CHERRY	თ	_	:	:	-	:	12	:	:	_
ELM	1,609	253	;	:	40	7		9	221	487
OTHER HARDWOODS	718	113	;	;	:	;	:	1	218	3
TOTAL HARDWOODS	51,056	8,393	1,520	336	21,758	3,581	22,513	1,559	5,187	19,056
ALL SPECIES	51,885	8,545	1,520	336	21,758	3,581	22,513	1,559	5,248	19,269

1/ INTERNATIONAL 1/4-INCH RULE. 2/ STANDARD CORDS, ROUGH WOOD BASIS. 3/ INCLUDES POSTS, FUELWOOD, SHAVING BOLTS, HEADING BOLTS, ETC.

Table 42.--Average annual managed harvest for 1972-1981 from harvest cuttings and thinnings, on commercial forest land, by species and kind of material, Riverborder, Missouri

	:	Growing stock ¹		: Saw	: Rough	and rotten t	rees
Species	: Total	: Poletimber	: Sawtimber		- Total	: Short-log	g: Other
	: TOTAL	: trees	: trees	: Total	: IUCAI	: trees	: Other
		Cords		Thousand		Cords	
				board feet2			
Softwoods					•		
Shortleaf pine	139		139	35			
Cypress	7,012	25	6,987	2,563	2,228	494	1,734
Eastern redcedar	8,456	5,329	3,127	1,289	3,506	772	2,734
Total softwoods	15,607	5,354	10,253	3,887	5,734	1,266	4,468
Hardwoods							
Select white oak	164,013	40,089	123,924	40,644	35,392	8,215	27,177
Other white oak	45,240	29,658	15,582	5,451	15,898	3,101	12,797
Select red oak	41,038	3,671	37,367	13,975	12,265	3,025	9,240
Red oak	34,456	5,937	28,519	10,263	9,937	2,671	7,266
Other red oak	2,659	1,013	1,646	685	3,936	949	2,98
Hickory A	30,266	9,114	21,152	8,121	8,696	1,418	7,27
Hickory B	15,367	8,013	7,354	2,530	2,519	127	2,392
Hard maple	6,785	4,633	2,152	544	8,735	532	8,20
Soft maple	7,949	1,962	5,987	2,184	4,316	519	3,79
Beech	25		25	11	722		722
Sweetgum	3,102	13	3,089	1,364	975		975
Tupelo and blackgum	3,962	1,987	1,975	888	4,012	1,468	2,54
Ash	20,000	7,266	12,734	4,708	10,215	2,063	8,152
Sycamore	13,861	1,215	12,646	4,781	1,393	203	1,190
Cottonwood	20,456	2,089	18,367	7,608	1,380	329	1,05
River birch	3,114	392	2,722	1,225	278		2.78
Yellow poplar	1,279	114	1,165	266	127		12
Basswood	519		519	162			
Black walnut	5,304	1,190	4,114	1,151	2,392	696	1,69
Black cherry	848	557	291	108	418		418
Elm	11,266	4,810	6,456	1,772	11,354	2,405	8,949
Other hardwoods	46,608	15,570	31,038	11,790	14,355	2,456	11,899
Noncommercial species					203	-,-5-	203
Total hardwoods	478,117	139,293	338,824	120,231	149,518	30,177	119,341
All species	493,724	144,647	349,077	124,118	155,252	31,443	123,809

 $^{^{1}\}mathrm{Cuttings}$ of less than 3 cords per acre are excluded. $^{2}\mathrm{International}$ 1/4-inch rule.

Table 43.--Average annual managed harvest of growing stock for 1972-1981 from harvest cuttings and thinnings, on commercial forest land, by species and forest type, Riverborder, Missouri<u>l</u> (Thousand cubic feet)

SPECIFS GROUP	TOTAL :	SHORTLEAF: EASTERN:	EASTERN:REDCEDAR REDCEDAR: HARDWD	EDCEDAR: HARDWD:	PINE: OAK:	POST: OAK:	BLACK: OAK:	WHITF: OAK:	OAK-GUM: CYPPESS:	FLM-ASH: CTNWD:	COTTON: WOOD:	MAPLE REECH
SOFTWOODS SHOPTLEAF PINE CYMRES EASTERN REDCEDAM	11 554 668		346	105	111		1 1 1	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 	111 24	111	= 1 1
TOTAL SOFTWOODS	1233	!	346	105		54	1	165	443	139	-	11
HARDWOODS	12957		142	309	-	751	1632	991n	7.1	453	;	149
OTHER WHITE OAK	3574	1	1:	5.	!	2441	398	670	1 1	α c		ν c γ
SELECT RED OAK	3242	1 1	4 4	4ء 12ء	1 1	506	1452	2007	1	147	1) X
CTIFF GFC CAK	210	;	1	:	1	77	54	v	86	37	;	1 0
HICKORY A	2391	1	1	1	1	7	1005	666	257	434	1	27.6
HICKOPY R	1214	1	!	14	!	150	129	4 7 7 0 0 0 0	204	7		160
HAPD MAPLE	536	! !	: ;	<u> </u>			† † 	, a	62	n a:	;	1
SOFT MAPLE	τ Σ (: :	; ;	! !		;	1	1	1	1	1	С.
	747	1	;	1	!	1	84	-	!	192	1	LC :
TUPFLO AND BLACKAUM	313	1	1	;	}	;	72	22	161	19	(39
ASH	1580	1	1	ሌ	1	;	146	داد	96	786	~	
SYCAMORF	1095	1	!	!	<u> </u>	1	5	!	-	2000	100	- 1
COTTENEDOD	1616	1 1		; ;				1 1	102	144	1	1
X1VTX TIXOT	101		-	1	1	!	6.5	28	1	!	;	10
	[+7	;	1	!	1	;	;	!	;	1	1	4 1
FIN EAST RAIL	419	+	14	1	1	7	22	200	!	108	:	6 A
>00000 X2V 10	67	;	1	;	;	7	35	σ	1	91	1	
	0 0	;	1	7.9	;	78	06	6а	02	524	!	332
OTHER HARDWOODS	3682	1	1	32	!	96	45	169	109	3220	σ	~
TOTAL HARDWOODS	37771	:	559	706		3445	7038	14465	1295	8489	405	1672
TOTAL ALL SPECIFS	39004	:	405	811		3466	7038	14630	1738	8628	405	1683

 $1\!\!\!/$ CUTTINGS OF LESS THAN 240 CUBIC FEET PER ACRE ARE EXCLUDED.

Table 44.--Average annual managed harvest of growing stock for 1972-1981 from harvest cuttings and thinnings, on commercial forest land, by species and stand-volume class, Riverborder, Missouri (Thousand cubic feet)

:		STAND VO	LUME16LASS	(CU.FT. PEF	ACRE)	
SPECIES :-	TOTAL :	240-399 :	400-799 :	800-1199:12	200-1599:	1600+
SOFTWOODS						
SHORTLEAF PINE	11	11				
CYPRESS	554	32	45	7	143	327
EASTERN REDCEDAR	668	99	78	465	26	
TOTAL SOFTWOODS	1233	142	123	472	169	327
HARDWOODS		-	*****		***************************************	
SFLECT WHITE OAK	12957	398	2704	5677	2593	1585
OTHER WHITE OAK	3574	137	813	1199	1277	148
SFLECT RFD OAK	3242	82	855	1330	732	276
KED OAK	2722	234	582	5 7 5	632	699
OTHER RED OAK	210	29	61	113	7	
HICKORY A	2391	53	919	653	145	631
HICKORY F	1214	49	165	786	214	
HARD MAPLE	536	81	41	149	120	145
SOFT MAPLE	628		29	23	270	306
REFCH	5		2			
SWEETGUM	245	1	5	141	51	47
THPELO AND BLACKGUM	313	15	33	44	151	70
ASH	1580	49	550	358	431	192
SYCAMORE	1095	30	201	273	220	371
COTTENWOOD	1616		437	405	27	747
RIVER BIRCH	246		16	139	91	
YELLOW POPLAR	101		10	26		65
BASSWOOD	41					41
BLACK WALNUT	419	40	161	61	115	42
BLACK CHERRY	67	7	25		35	
FIM	890	47	65	314	240	224
OTHER HAPDWOODS	3682	11	329	1481	820	1041
TOTAL HARDWOODS	37771	1263	7960	13747	8171	6630
TOTAL ALL SPECIFS	39004	1405	8083	14219	8340	4957

^{1/} CUTTINGS OF LESS THAN 240 CUBIC FEET PER ACRE ARE EXCLUDED.

Table 45.--Average annual managed harvest for 1972-1981, by harvest cuttings of growing stock on commercial forest land, by species and stand-volume class, Riverborder, Missouri

(Thousand cubic feet)

:		STAND VO	LUMF CLASS	1/cu.FT. PF	ACRE)	
SPECIES :- GROUP :	TOTAL :	240-399 :	400-799 :	AD0-1199:12	200-1599:	1600+
SOFTWOODS	-					
CYPRESS	393	29			37	327
EASTERN REDCEDAR	648	94	5.3	465	26	
TOTAL SOFTWOODS	1041	123	63	465	63	327
= HARDWOODS						
SFLECT WHITE OAK	12093	227	2072	5616	2593	1585
OTHER WHITE OAK	3529	104	801	1199	1277	148
SFLECT RED OAK	3157	45	790	1314	732	276
RED OAK	2409	139	369	5 7 0	632	699
OTHER RED OAK	155		61	87	7	
HTCKORY A	2181	14	743	648	145	531
HICKORY B	1070	30	55	771	214	
HARD MAPLE	473	18	41	149	120	145
SOFT MAPLE	420		8		133	279
SWEETGUM	244		5	141	51	47
TUPELO AND BLACKGUM	140	3	28	39		70
ASH	1377	11 =	437	358	379	192
SYCAMORE	699	21	180	115	220	163
COTTENWOOD	612		290	254		68
RIVER BIRCH	246		16	139	91	
YFLLOW POPLAR	65					65
BASSWOOD	41					4]
BLACK WALNUT	389	15	161	56	115	42
BLACK CHERRY	58	7	16		35	
ELM	774	32	55	269	233	185
OTHER HARDWOODS	1033	8	285	277	231	232
TOTAL HARDWOODS	31165	674	6413	12002	7208	4868
TOTAL ALL SPECIFS	32206	797	6476	12467	7271	5195

^{1/} CUTTINGS OF LESS THAN 240 CUBIC FEET PER ACRE ARE EXCLUDED.

Table 46.--Average annual managed harvest for 1972-1981, by thinnings of growing stock on commercial forest land, by species and stand-volume class, Riverborder, Missouri

(Thousand cubic feet)

;		STAND VOL	UMF CLASS	1/cu.FT. P	ER ACRE)	
SPECIES :-	TOTAL :	240-399 :	400-799 :	800-1199:	1200-1599:	1600+
SOFTWOODS						
SHORTLEAF PINE	11	11				
CYPRESS	161	3	45	7	106	
EASTERN REDCEDAR	50	5	15			
TOTAL SOFTWOODS	192	19	60	7	106	
HARDWOODS						
SELECT WHITE OAK	864	171	632	61		
OTHER WHITE OAK	45	33	12			
SELECT RED OAK	85	37	32	16		
RED OAK	313	95	213	5		
OTHER RED OAK	55	29		26		
HICKORY A	210	39	166	5		
HICKORY B	144	19	110	15		
HARD MAPLE	63	63				
SOFT MAPLE	208		21	23	137	27
BFECH	2		2			
SWEETGUM	1	1				
TUPELO AND BLACKGUM	173	12	5	5	151	
ASH	203	38	113		52	
SYCAMORE	396	9	21	158		208
COTTENWOOD	1004		147	151	27	679
YFLLOW POPLAR	36		10	26		
BLACK WALNUT	30	25		5		
BLACK CHERRY	9		9			
ELM	116	15	10	45	7.	39
OTHER HARDWOODS	2649	3	44	1204	589	809
TOTAL HARDWOODS	6606	589	1547	1745	963	1762
TOTAL ALL SPECIFS	6798	608	1607	1752	1069	1762

^{1/} CUTTINGS OF LESS THAN 240 CUBIC FEET PER ACRE ARE EXCLUDED.

Table 47.—Average annual managed harvest of sautimber 1972–1981 from harvest cuttings and thinnings, on commercial forest land, by species and forest type, Riverborder, Wissouri (Thousand board feet) 2/

SPECIES GROUP	TOTAL	S.LEAF: PINE:	•LEAF: EASTERN: WEDCEDAR: PINE: REDCEDAR: HARDWO:	EDCEDAR: HARDWO:	PINE: OAK:	POST: OAK:	BLACK: OAK:	WHITE: OAK:	OAK-GIJM: CYPPESS:	FLM-ASH: CTNWD:	COTTON: WOOD:	MAPLF REECH
SOFTWOODS SHODILEAF PINE	63	;	;	!	α	;	!	1	1	!	ł	35
CYDOFICE	25.70		;	;	!	1	!	1	2070	005	-	!
EASTERN REDCEDAR	1360	1	791	197	;	}	!	751	1	121	:	1
TOTAL SOFTWOODS	3973	-	161	197	α	1	1	751	2070	621	_	35
HABDROODS												,
SELECT WHITE OAK	41705	1	331	484	32	975	4247	30432	604	1444	1	747
OTHER WHITE DAK	5734	!	1	286	1	2684	122R	1536	}	1	1	
SELECT PED DAK	14544	1	113	193	1	1457	スプスプ	1515	324	145	1	606
WED OAK	11091	;	110	412	26	411	4357	2930	188	360	;	a 0 2
OTHER RED DAK	747	!	i	1	1	1	くらく	72	262	146	1	
II CKOBY A	8269	1	1	18	1	62	3348	5459	1156	1227	1	20
HICKORY B	2607	1	1	74	-	x 2	5.0	717	586	φ α	!	1005
H I C W V D I H	544	1	1	;	1	;	1	359	;	1	-	υ κ
SOFT MAPLE	2184	1	-	;	;	-	-	1	313	1871	1	1:
BEFF	=	-	1	!	;	;	!	!	-	1	-	11
S E E E E E E E E E E E E E E E E E E E	1373	1	1	!	;	1	161	1	6	1169	1	34
THPELO AND BLACKGHM	0.76	;	1	1	(e	1	415	1	167	13	1	1
VSH VSH TO CE TO COME	7572	1	1	r.	1	;	700	67c	135	3166	-	1
FOOM	4869	1	;	7.1	;	1	30	17	198	3150	!	803
COLTENATOO	7608	1	8	1	1	1	1	ţ	-	1965	1448	1
BIVER RIBCH	1225	!	1	;	1	!	!	1	6 d 4	736	1	
YELLOW POPLAP	266	1	1	!	1	1	135	104	1	1	1	Z
COOMSTA	162	1	1	!	1	1	1	!	1	1	1	701
BLACK SALVET	1169	,	7.7	!	1	-	134	522	-	336		C C I
BLACK THERES	80.	1	1	1	1	35	1	1	1	73	1	1
	1772	!	1	;	1	19	166	54	54	525	1	426
OTHER HARUWOODS	11790	1	-	96	;	36	1	564	356	11024	:	14
TOTAL HARDWOODS	123467		631	2188	٤	5782	27475	07984	5605	31484	1448	5314
TOTAL ALL SPECIES	127440		1422	2385	69	5782	27475	43530	7675	32105	1648	5349

1/ CUTTINGS OF LESS THAN 3 CORDS PER ACRE OR THE EQUIVALENT IN BOARD FEET ARE INCLUDED. 2/ INTERNATIONAL 1/4-INCH RULE.

Table 48.--Average annual managed harvest of sawtimber $\frac{1}{2}$ for 1972-1981 from harvest cuttings and thinnings, on commercial forest land, by species and stand-volume class, Riverborder, Missouri (Thousand board feet) $\frac{2}{2}$

oper.		STAND	VOLUME CLA	SS (HD.FT.	PER ACRE)		
SPECIES : GROUP :	TOTAL :	0- : 1499 :	1500- : 2499 :	2500- : 4999 :	5000- : 7499 :	7500- : 9999 :	10000+
SOFTWOODS							
SHORTLEAF PINE	43	43					
CYPRESS	2570	348	169	550	416		1087
EASTERN REDCEDAR	1360	647	71 3				
TOTAL SOFTWOODS	3973	1038	882	550	416		1087
HARDWOODS							
SELECT WHITE OAK	41705	4919	8650	19139	3116	656	225
OTHER WHITE OAK	5734	2315	1775	961		683	
SELECT RED OAK	14544	3519	3445	4629	2951		
RED OAK	11091	2439	1420	3230	1623	2279	
OTHER RED OAK	767	292	223	252			
HICKORY A	2269	853	2235	1763	2025	237	1156
HICKORY B	2607	352	1580	675			
HARD MAPLE	544	341	106	97			
SOFT MAPLE	2184		31	224	362		907
BEECH	11	11					
SWEETGIM	1373	10	34	1169		160	
TUPELO AND BLACKGUM	942	95	120	320	407		
ASH	4727	960	497	1071	1734		465
SYCAMORE	4869	1027	546	598	811		1897
COTTENWOOD	7508	437	1236	2217			3718
RIVER BIRCH	1225			1225			
YELLOW POPLAR	266	131			135		
BASSWOOD	162			162			
BLACK WALNUT	1169	575	197	307			
BLACK CHERRY	108	108					
ELM	1772	168	472	207	293		32
OTHER HARDWOODS	11790	359	2256	4557	236	´	4382
TOTAL MARROWOODS	123467	23911	24823	44243	13693	4015	12782
TOTAL ALL SPECIES	127440	24949	25705	44703	14109	4015	13869

UTTINGS OF LESS THAN 3 CORDS PER ACRE, OR THE EQUIVALENT IN BOARD FEET, ARE INCLUDED.

^{2/} INTERNATIONAL 1/4-INCH RULE.

Table 49.--Average annual managed harvest for 1972-1981, by harvest cuttings of sawtimber on commercial forest land, by species and stand-volume class, Riverborder, Missouri (Thousand board feet)2/

-D50-50	:	STAND	VOLUME CLA	SS (AD.FT.	PER ACPE)		
SPECTES GROUP	: : : : : : : : : : : : : : : : : : :	0-:	1500- : 2499 :	2590-: 4999:	5000-: 7499:	750n-: 9999:	10000+
SOFTWOODS							
SHORTLEAF PINE	ρ	۾					
CYPRESS	1803	150		J 2 O	416		1087
EASTERN REDCEDAR	1217	614	603				
TOTAL SOFTWOODS	3028	742	607	190	416		1087
HAPDWOODS							
SELECT WHITE OAK	38291	8438	A] 3A	17718	3116	656	225
OTHER WHITE OAK	5658	2315	1775	885		683	
SELECT PED OAK	14353	3375	3390	4629	2951		
RED OAK	9901	2042	1284	2673	1623	2279	
OTHER RED OAK	542	195	145	253			
HICKORY A	7569	613	1775	1763	2025	237	1156
HICKORY B	2318	222	1421	675			
HARD MAPLE	454	251	106	97			
SOFT MAPLE	1338			181	362		795
SWEETGUM	1372	9	34	1169		160	
TUPELO AND BLACKGUM	461	54			407		
ASH	4345	960	115	1071	1734		460
SYCAMOPE	3248	997		474	811		966
COTTENWOOD	2791	437	761	1253			340
RIVER BIRCH	1225			1225			
YELLOW POPLAK	135				135		
BASSWOOD	162			162			
BLACK WALNUT	1108	551	160	397			
BLACK CHEPRY	108	108					
ELM	1547	168	359	727	293		
OTHER HARDWOODS	3187	306	96	1721	236		828
TOTAL HARDWOODS	100153	21031	19567	37072	13693	4015	47 7 5
TOTAL ALL SPECIFS	103181	21 77 3	20170	37252	14109	4015	5862

^{1/} CUTTINGS OF LESS THAN 3 CORDS PER ACRE, OR THE EQUIVALENT IN BOARD FEET, ARE INCLUDED. 2/ INTERNATIONAL 1/4-INCH RULE.

Table 50.--Average annual managed harvest for 1972-1981, by thinnings of sawtimber on commercial forest land, by species and stand-volume class, Riverborder, Missouri (Thousand board feet)

-25-15-	:	STAND	VOLUME CLA	SS (RD.FT.	PER ACRE)		
SPECTES GROUP	: TOTAL :	n- : 1499 :	1500- : 2499 :	2500- : 4999 :	5000 - : 7499 :	750 n- : 9999 :	10000+
SOFTWOODS							
SHORTLEAF PINE	35	35					
CYPRESS	767	228	169	370			
EASTERM REDCEDAR	143	33	110				
TOTAL SOFTWOODS	945	296	279	370			
HARDWOODS							
SELECT WHITE OAK	3414	1481	512	1421			
OTHER WHITE OAK	76			76			
SELECT PED OAK	191	144	47				
RED OAK	1190	397	136	657			
OTHER RED OAK	185	107	78				
HICKORY A	700	240	460				
HICKORY 9	289	130	159				
HARD MAPLE	90	90					
SOFT MAPLE	846		31	703			117
REFCH	11	11					
SWEETGHM	1	1		~ -			
TUPELO AND BLACKGUM	481	41	120	350			
ASH	382		382				
SYCAMORE	1621	30	546	114			431
COTTENHOOD	4817		475	964			3378
YELLOW POPLAK	131	131					
BLACK WALNUT	61	24	37				
ELM	225		113	80			32
OTHER HARDWOODS	8603	53	216n	2836			3554
TOTAL HARDWOODS	23314	2880	5254	7171		4-	2007
TOTAL ALL SPECIES	24259	3176	5535	7541			8007

^{1/} CUTTINGS OF LESS THAN 3 CORDS PER ACRE, OR THE EQUIVALENT IN BOARD FEET, ARE INCLUDED. 2/ INTERNATIONAL 1/4-INCH RULE.

Table 51.--Area of managed harvest!/ for 1972-1981, by harvest cuttings on commercial forest land, by forest type and standage class, Riverborder, Missouri (Thousand acres)

1.3 1.0 0.0							STAND A	STAND AGE (YFAPS)	()					
TYPF	TOTAL: 1-10:	1-10:	11-20:	21-30:	31-40:	41-50:	51-60:	61-70:	71-80:	81-90:	91-100:1	11-20: 21-30: 31-40: 41-50: 51-60: 61-70: 71-80: 81-90: 91-100:101-120:121-140:	21-140:	141+
EASTFRN REDCEDAR	\$ 5			1	:		-	1.8	3.4	7.7	:	.:	:	1
E. PEDCFDAR-HAPDWOODS	9.05	1	1	5.6	!	1	1	4.6	1	1	5.6	7.8	1	!
SHORTLEAF PINE-OAK	٠.7	-	1	-	!	9.	-	-	-	1		3	1	1
POST-RLACKJACK DAK	56.5	ì	1	;	1	1	• 5	1	1	9.3	16.0	15.9	14.8	1
BLACK-SCARLET DAK	43.6	-	1	1	1	1	-	1	4.	19.4	15.5	27.3	21.0	-
WHITE OAK	131.7	1	1	1	1	;	9.	1	1.04	1.0	-	2.66	29.5	1
OAK-GUM-CYPRESS	7.7	1	!	1	1	1	-	7.	-	1	.3	7.0	1.4	-
ELM-ASH-COTTONWOOD	38.6	-	5	1	1	;	8.	11.4	4.2	B.4	α.	3.7	2.0	-
COTTONWOOD	1.6	-	i	1.0	1	•	ì		1	1	1	;	1	-
MAPLE-REFCH	14.7	!	1	1	1	î	1	1	1	1	5.5	4.6	4.6	1
ALL TYPFS	367.0	:	:	6.6		1.2	1.9	18.5	4.6	42.5	48.1	48.1 165.5	73,3	1
											The second secon	The second second		

1/ FOR A 10-YEAR PEPIOD

Table 52.--Area of managed harvest½ by thinnings on commercial forest land for 1972-1981, by forest type and stand-age class, Riverborder, Missouri

(Thousand acres)

***************************************							STAND A	STAND AGE (YEARS)	(S)					
	: TOTAL: 1-10:	1-10:	11-20:	21-30:	31-40:	41-50:	51-60:	61-70:	71-80:	91-90:	91-100:10	11-20: 21-30: 31-40: 41-50: 51-60: 61-70: 71-80: 81-90: 91-100:101-120:121-140:	ł .	141+
E.REDCEDAR-HARDWOODS	5.7	7.7	:	:	:	:	;	:	-	:	1	:	-	
BLACK-SCARLET DAK	42.0	10.7	5.5	6°7	7.3	6.8	1	1.9	6.4	1	1	1	-	1
WHITE DAK	41.5	1	5.4	1	12.3	4°B	14.2	1	4.8	1	!	:	-	-
OAK-GUM-CYPRESS	7.8	2.0	1	3.3	2.5		1	1	-	1	1	1	1	
ELM-ASH-COTTONWOOD	46.1	6.	1	25.0	14.6	1.9	3.7	1	1	-	1	1	-	1
MAPLE-REECH	21.1	1	1	1	9.8	6.4	1.8	9°4	1	1	1	:	!	1
ALL TYPES	164.2 19.3	10.3	10.9	10.9 33.2 46.5 18.4 19.7	46.5	18.4	19.7	6.5	7.6	:	1			:

1/ FOR A 10-YEAR PEPTOD

PRINCIPAL TREE SPECIES IN MISSOURI'S RIVERBORDER UNIT4

THE THE STEEL STEEL STEEL	13300KI 3 KITENDONDEK OKII
SOFTWOOD SPECIES	Southern red oak . Quercus falcata var. falcata Black oak Quercus velutina
Shortleaf pine Pinus echinata Baldcypress . Taxodiwn distichum var. distichum Eastern redcedar Juniperus virginiana	Other red oaks: Shingle oak Quercus imbricaria Blackjack oak Quercus marilandica
HARD HARDWOOD SPECIES	Pin oak Quercus palustris Willow oak
Ashes: White ash Fraxinus americana Green ash Fraxinus pennsylvanica Blue ash Fraxinus quadrangulata	Other hard hardwoods: Black locust Robinia pseudoacacia Common persimmon Diospyros virginiana Flowering dogwood Cornus florida Honeylocust Gleditsia triacanthos
American beech Fagus grandifolia Black walnut Juglans nigra	Red mulberry
Hard maples: Black maple Acer nigrum Sugar maple Acer saccharum	SOFT HARDWOOD SPECIES
Hickory group A: Pecan Carya illinoensis Shellbark hickory Carya laciniosa Shagbark hickory Carya ovata Mockernut hickory Carya tomentosa	American basswood Tilia americana American sycamore Platanus occidentalis Black cherry
Hickory group B: Bitternut hickory Carya cordiformis Pignut hickory Carya glabra var. glabra Black hickory Carya texana River birch Betula nigra	Eastern cottonwood Populus deltoides Elms: Winged elm
Select white oaks: White oak	Soft maples: Red maple Acer rubrum var. rubrum Silver maple Acer saccharinum Sweetgum Liquidambar styraciflua
White oaks: Swamp white oak Quercus bicolor Overcup oak Quercus lyrata Other white oaks:	Tupelo and blackgum: Blackgum Nyssa sylvatica var. biflora Black tupelo . Nyssa sylvatica var. sylvatica Water tupelo Nyssa aquatica
Post oak Quercus stellata var. stellata	Yellow-poplar Liriodendron tulipifera
Select red oaks: Cherrybark oak Quercus falcata var. pagodaefolia Northern red oak Quercus rubra Shumard oak . Quercus shumardii var. shumardii Red oaks: Scarlet oak Quercus coccinea	Other soft hardwoods: Black willow
4The common and scientific names are based on "Check List of Native and Natu- ralized Trees of the United States (In-	Sassafras Sassafras albidum cluding Alaska)," by Elbert L. Little, Jr., U.S. Dep. Agric., Agric. Handb. 41, 472 p. 1953.

APPENDIX

ACCURACY OF SURVEY	Item	Riverborder Unit totals	Sampling e rr or
Forest survey information is based			(Percent)
on a sampling procedure designed to pro-			
vide reliable statistics at the State	Growing		
and Survey Unit levels. Consequently,	stock:		
the reported figures are estimates only.	Volume	16,883.9 M cords	3.5
However, a measure of reliability of these	Growth	432.6 M cords	4.4
figures is given by sampling errors.	Removals	450.1 M cords	10.0
These sampling errors may be interpreted			
as meaning that the chances are two out	Sawtimber:		
of three that the results for the sample	Volume	3,641.1 MM bd. ft.	5.0
differ by no more than the amount indicated,	Growth	85.2 MM bd. ft.	6.0
from the results that would have been	Removals	115.4 MM bd. ft.	8.1
obtained if all trees in the Unit had been			
measured (a 100-percent inventory), using	Commercial		
the same tree measurements.	forest		
	1and	2,108.9 M acres	1.9

For example, the estimated area of commercial forest land in the Riverborder Unit in 1972, 2,108.9 thousand acres, has a sampling error of ± 1.9 percent (± 40.1 thousand acres). The chances are two out of three, then, that the commercial forest area falls between 2,068.8 and 2,149.0 thousand acres (2,108.9 \pm 40.1), the limits within which the results of a 100-percent inventory would occur.

Following are sampling errors for total estimated volume, net growth, and removals for both growing stock and sawtimber, and for area of commercial forest land during the 1972 Riverborder Survey:

As survey data are broken down into units smaller than State or Survey Unit totals, the sampling error increases. The smaller the breakdown, the larger the sampling error. For example, the sampling error for area of commercial forest land in a particular county is higher than that for total commercial forest area in the Survey Unit. An approximation of the increasing sampling error can be obtained from table 53, which shows the sampling errors associated with estimates smaller than totals in the Riverborder Unit.

Table 53.—Sampling errors $\frac{1}{2}$ for estimates smaller than unit totals of volume, net growth, and removals, and of area of commercial forest land, Riverborder, Missouri, 1972

SAMPLING : ERROR : (PERCENT):	COMMERCIAL FOREST	GRON INVENTORY :	VING STOCK		: INVENTORY :		11211011120
	THOUSAND ACRES	<u> THQU</u>	SAND CORD	<u>S</u>	MILLION	BOARD FE	ET2/
1 2 3 4 5 10 15 20 25 50	7,784.1 1,946.0 864.9 486.5 311.4 77.8 34.6 19.5 12.5 3.1	23,447.6 13,189.3 8,441.1 2,110.3 937.9 527.6 337.7 84.4 21.1	515,8 330.1 82.5 36.7 20.6 13.2 3.3	1,793.7 448.1 198.7 112.6 72.2 17.7 5.1	5,668.1 3,627.6 906.9 403.1 226.7 145.1 36.3 9.1	123.6 30.9 13.7 7.7 4.9 1.2	301.3 75.3 33.5 18.8 12.1 3.0 .8

^{1/} AT THE 68-PERCENT PROBABILITY LEVEL.

^{2/} INTERNATIONAL 1/4-INCH RULE.

SURVEY PROCEDURE

The major steps in the survey of the Riverborder Unit were as follows:

- 1. A total of 38,778 1-acre points distributed systematically across aerial photos of the entire area were observed. These points were classified as either forest land (11,042) or nonforest land (27,736) in order to make a preliminary estimate of forest area. Next, 4,292 of the forest points were stereoclassified as to forest type, stand-size class, and density. Then 590 points classed as forest and 1,903 points classed as nonforest were examined on the ground to correct the preliminary area estimate for errors in classification and for actual changes in land use since the photos were taken. Some of the points examined were locations of permanent sample plots (each of which contained one variable-radius plot with basal area factor five) established during the 1959 survey. Of the 483 points determined to be on commercial forest land from ground examination, 206 were at previously unsampled locations and 10point variable-radius plots (basal area factor 37.5) were established uniformly over the sample acres. The remaining 277 points were at formerly established permanent plot locations and were remeasured by superimposing 10-point variable-radius plots (basal area factor 37.5) over the existing plot in addition to remeasuring the basal area factor five plot. Tree measurements made on new and remeasured plots were the basis for estimates of timber volume, growth, mortality, number of trees, and other forest classifications.
- 2. Statistics on timber utilization in 1969 were obtained from mill surveys and from remeasurement of permanent sample plots. The Missouri Department of Conservation conducted a canvass of resident sawmills, veneer mills, and other primary wood-using plants. The North Central Forest Experiment Station canvassed resident pulpmills, and the underground mining industry in Missouri, as well as out-of-State sawmills, pulpmills, and veneer mills to determine their use of timber from Missouri. Fuelwood and fencepost output was based on U.S. Census of Agriculture and Housing figures, a canvass of public and industrial timber owners, and a canvass

- of resident wood-treating plants. Estimates of primary mill residue used for fuelwood were obtained from the canvass of primary wood-using plants in Missouri. Timber cut for products by owner class was determined by a canvass of all public and industrial timber owners. The portion of timber cut unaccounted for by the latter owners was grouped under "farmer and other owners."
- 3. To develop wood utilization factors used in converting timber products output to timber removals for saw logs, veneer logs, cooperage logs, pulpwood, and charcoal wood, 486 felled trees throughout the State were measured. Factors for all other products were obtained during the 1959-1960 Missouri utilization study.
- 4. Field data were sent to St. Paul where they were edited, punched on cards, and stored on magnetic tape for later machine sorting, computing, and tabulation.

MANAGED HARVEST

Managed harvest is the estimated volume of timber on commercial forest land that could be cut annually for the next 10 years, while improving tree stocking and bringing about a more even distribution of age classes. In Missouri, annual managed harvest is shown separately as that from harvest cutting and from thinnings, and was determined by computer using an area control system for determining the number of acres to be cut annually.

The harvest cut of sawtimber was calculated from stands of forest types normally managed for sawtimber whose site index and age indicated they were ready for harvest, or would be within the next 10 years. Table 54 shows the site index used in these calculations for each forest type to determine whether the objective of management would be to grow sawtimber or pulpwood. Included also is the rotation age for each.

Stands that did not qualify for harvest during that period were checked to see if they were overstocked by basal area standards, or would be within the next 10 years. Stands determined to be overstocked were "thinned" by the computer

Table 54.--Forest type, site index, and rotation age, by management objective, used in calculation of annual managed harvest, Missouri, 1972

Forest type	: Site index	Rotation age	Management objective
		Years	
Shortleaf pine	50 or higher	60	Sawtimber
	Less than 50	40	Pulpwood
Shortleaf pine-oak	60 or higher	80	Sawtimber
	Less than 60	50	Pulpwood
Eastern redcedar	35 or higher	55	Sawtimber
	Less than 35	70	Sawtimber
Eastern recedar-hardwood	45 or higher	50	Sawtimber
	Less than 45	60	Sawtimber
Black-scarlet oak	60 or higher	80	Sawtimber
	Less than 60	50	Pulpwood
White oak	60 or higher	80	Sawtimber
	Less than 60	50	Pulpwood
Post-blackjack oak	All sites	50	Pulpwood
Oak-gum-cypress	All sites	60	Sawtimber
Cottonwood	All sites	30	Sawtimber
Elm-ash-cottonwood	All sites	50	Sawtimber
Maple-beech	All sites	90	Sawtimber

back to their recommended basal—area stocking level, and the volume of saw—timber trees "thinned" was added to the volume of managed harvest by thinnings of growing stock and sawtimber. The volume of poletimber trees "thinned" was added to the growing—stock managed harvest by thinnings. In scheduling thinnings, the computer program first "removes" rough and rotten trees, then short—log trees, and finally, growing—stock trees. The volume of managed harvest from rough, rotten, and short—log (rough) trees is kept separate from that from growing—stock trees.

The harvest cut of growing stock included that of sawtimber in addition to the volume from stands of forest types normally managed for pulpwood that were or would be rotation age within the next 10 years.

Managed harvest is based on the assumptions that all timber will be available and accessible when needed, and that a ready market will exist for every species, size, and grade of material harvested. Further, it assumes that the proper sequence of cutting is known and will be followed, and that logging practices employed will result

in an improved forest. Because there is no way of guaranteeing that these assumptions will be carried out during the next 10 years, the managed harvest estimates should be compared with timber removals figures only in a general way.

LOG GRADE

The butt log of every sawtimber tree (2,164 trees) on every permanent sample plot in the Riverborder Unit and all of the logs in a smaller sample of trees throughout the State (265 trees) were log-graded. The volume yield by log grade for each tree in the smaller sample was used to distribute the volume of trees in the permanent plot sample into log-grade classes. The resulting volumes were expanded to provide an estimate for the entire Unit.

Logs are graded on the basis of external characteristics as indicators of quality. Hardwood species were graded according to "Hardwood Log Grades for Standard Lumber and How to Use Them" published by the Forest Products Laboratory under the designation D1737A, 1961, and USDA Forest Service standards for hardwood tie and timber logs. The best 12-foot section of the lowest 16-foot hardwood log, or the best 12-foot

upper section if the butt log did not meet minimum log grade standards, was graded.

Shortleaf pine was graded according to "Interim Southern Pine Log Grades," USDA Forest Service, 1953. All other

softwoods were graded according to
"Specifications for Log Grades of Hardwoods and Softwoods," Northern Hemlock
and Hardwood Association, 1947. The
lowest 16-foot log in softwood trees or
a shorter log down to 12 feet if a 16foot butt log was not present, was graded.



Spencer, John S., Jr., and Arnold J. Ostrom.
1975. Timber resource of Missouri's Riverborder, 1972. North
Cent. For. Exp. Stn., St. Paul, Minn. 74 p. (USDA For. Serv.
Resour. Bull. NC-25)

The third timber inventory of Missouri's Riverborder Forest Survey Unit shows that neither the total volume of growing stock nor of sawtimber changed significantly between 1959 and 1972. Area of commercial forest land declined slightly. Presents statistics on forest area and timber volume, growth, mortality, ownership, and use in 1972.

OXFORD: 524.1:905.2(778). KEY WORDS: timber volume, growth, utilization, forest areas.

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